

# SPORTS FLOORINGS



- tennis
- football
- handball
- volleyball
- basketball
- playground
- running tracks
- jogging tracks
- bicycle tracks
- equine floorings
- multipurpose halls
- skating & extreme sports

**KDF**  
[www.kdf.gr](http://www.kdf.gr)



# PROJECTS





# PROJECTS





India  
Outdoor Sports Flooring



U.A.E  
Bicycle Track



K.S.A  
Running Track



K.S.A  
Jogging Track

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F.Y.R.O.M  
Indoor Sports Flooring



U.A.E  
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U.A.E  
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U.A.E  
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## KDF WOLRDWIDE



# INTRODUCTION

**KDF LTD** ([www.kdf.gr](http://www.kdf.gr)) is one of the most dynamic and export-oriented Greek companies (currently activated in more than 50 countries in 4 continents), based in Greece( EU) and U.A.E too, with production facilities and warehouses in both countries for acrylic and polyurethane materials.

**We are experts in sports, industrial and decorative flooring products and systems**, with huge experience in Europe, Africa, Asia, Middle East and India as well.

Our export horizon is expanding rapidly and our goal is to stand out as a model of flexibility and competitiveness. The company, being one of the pioneer companies in the sector of sports flooring systems and building materials and giving particular attention to providing a fully upgraded range of products and services, provides certified systems by **ITF, IAAF, EU norms, LNE, LABOSPORT, ISASPORT, to name but a few.**

**Our systems are approved in many ministries like:**

- Ministry of Education in U.A.E
- Ministry of Education in K.S.A
- Ministry of Education in Oman
- Ministry of Education in Kuwait and many other institutes like
- Oman Royal Police
- Aramco, K.S.A
- Musanada in U.A.E
- Municipality of Doha
- Municipality of Dubai, Abu Dhabi, Sharjah and many others institutions.

KDF goes far beyond trade, providing consultancy in marketing and also technical support all the way, from the costing till the finalization of the project. Operating under the requirements of ISO 9001/2015 for production, trade and also application, we make sure our products are first applied successfully at site by our own people before we launch them abroad.

Therefore, our systems have all stood the real life test in different climates, from Middle East till Russia, and this is one of our main assets, enabling us to provide full and vertical technical support from specifying to final application plus supervision when required or even full application and costing.

**We invite you to discover a world of sports flooring expertise and solutions.**



# INDICATIVE REFERENCE LIST OF PROJECTS IN MIDDLE EAST AND INDIA

- UNIVERSITY OF DAMMAM - K.S.A - 13000m<sup>2</sup> - Acrylic cushion floorings
- KING ABDULLAH BASE AIR DEFENSE - TAIF, K.S.A - 12600 m<sup>2</sup> - Running track
- KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS - DHARAN, K.S.A - 12400m<sup>2</sup> - Acrylic
- KING FAHAD NAVAL BASE - JUBAIL, K.S.A - 8000m<sup>2</sup> - Running track
- ABBHA, K.S.A - 7600m<sup>2</sup> - Running track
- SHUQAIQ WATER AND ELECTRICITY COMPANY - JIZAN, K.S.A - 5400 m<sup>2</sup> - Acrylic courts
- TALEEM UPTOWN SCHOOLS - DUBAI, U.A.E - 5400m<sup>2</sup> - Acrylic sports courts systems
- SAUDI AIR FORCE - K.S.A - 5250 m<sup>2</sup> - Acrylic coating elastoturf, running track
  
- AIRBASE IN TAIF - K.S.A - 5000 m<sup>2</sup> - Running track
- DEPARTMENT OF EDUCATION ASIR REGION - KHAMIS, K.S.A - 4500 m<sup>2</sup> - Running track
- COMMUNITY COLLEGE - KHAMIS, K.S.A - 4200 m<sup>2</sup> - Running track
- HH KHALID BIN BANDAR - RIYADH, K.S.A - 3800 m<sup>2</sup> - Volleyball/basketball rubber courts
- AL LUSAIL SPORTS CLUB - DOHA, QATAR - 3200m<sup>2</sup> - Jogging track
- KING KHALID UNIVERSITY - ABHA, K.S.A - 3100 m<sup>2</sup> - Running track
- SIDRA GARDEN - DOHA, QATAR - 2830m<sup>2</sup> - Jogging track
- ALL SAINTS SCHOOL - MUMBAI, INDIA - 2700 m<sup>2</sup> - PU outdoor sports flooring and running track
- AL NAKHEEL - DOHA, QATAR- 2541 m<sup>2</sup> - Running track Poltrack Sandwich system
  
- AL RAYAN, QATAR - 2500 m<sup>2</sup> - Running track, Poltrack Sandwich system
- TEACHERS COLLEGE - ABHA, K.S.A - 2050 m<sup>2</sup> - Running track
- RAWDA RASHEED PRIMARY SCHOOL FOR BOYS - 2000 m<sup>2</sup> - Polyurethane sports flooring
- AL SAILIYA BOYS SCHOOL - AL SAILIYA, QATAR - 2000 m<sup>2</sup> - Polyurethane, outdoor sport flooring
- KING KHALID UNIVERSITY - ABHA, K.S.A - 2000 m<sup>2</sup> - Volleyball/basketball rubber courts
- HH KHALID BIN BANDAR - RIYADH, K.S.A - 2000 m<sup>2</sup> - Volleyball/basketball rubber courts
- MUSAB BIN OMAIR BOYS SCHOOL - BIN OMRAN, QATAR - 2050 m<sup>2</sup> - PU outdoor sport flooring
- BURAIRAT SCHOOL - RAK, U.A.E - 2000 m<sup>2</sup> - Running track
  
- AL WAKAIR BOYS SCHOOL - AL WAKRAH, QATAR - 1950 m<sup>2</sup> - Polyurethane, outdoor flooring
- THE LAKE DISTRICT - PUNE, INDIA - 1950 m<sup>2</sup> - Acrylic, multipurpose courts
- QASSIM UNIVERSITY - K.S.A - 1800 m<sup>2</sup> - Polyurethane sports flooring
- AL MAJAD AMPHITHEATER - SHARJA, U.A.E - 1800m<sup>2</sup> - Certified Jogging track
- AL QADSIYA MODEL INDEPENDENT SCHOOL - ALWAAB, QATAR - 1770 m<sup>2</sup>- PU outdoor flooring
- UNITED (SABIC) SPORTS CLUB - 1900 m<sup>2</sup> - Rubber flooring
- SHOOLS MINISTRY OF EDUCATION - KHAMIS, K.S.A - 1800 m<sup>2</sup> - Rubber flooring
- AL WAHDA SPORT ACADEMY CLUB - ABU DHABI, U.A.E - 1700 m<sup>2</sup> - Acrylic sports system
- ALSARH SCHOOLS OF CIVIL - RIYADH, K.S.A - 1650 m<sup>2</sup> - PU glue/Soccer field
- SPA RESORT DERENIVSKUPIA KI - UZHGOROD, UKRAINE - 1600 m<sup>2</sup> - Flexfloor-Ex system
  
- THE MILITARY HOSPITAL - RIYADH, K.S.A - 1560 m<sup>2</sup> - Volleyball/basketball rubber courts
- THE MILITARY HOSPITAL - RIYADH, K.S.A - 1560 m<sup>2</sup> - Pu glue-PU sports flooring
- SCHOOL IN AL WAKRA CITY - DOHA, QATAR - 1500 m<sup>2</sup> - Playground flooring
- PROJECT GREEN LAND - DUBAI, UAE - 1500 m<sup>2</sup> - Jogging track
- POLICE COMPLEX BARRACKS NIZWA - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring
- PROJECT ECOGREEN - DUBAI, U.A.E - 1350 m<sup>2</sup> - Jogging track
- POLICE COMPLEX BARRACKS AL AJAIZ - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring
- POLICE COMPLEX BARRACKS KATMATMILAH SITE - OMAN - 1300 m<sup>2</sup> - Colorflex, PU flooring
- POLICE COMPLEX BARRACKS SUWAIQ - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring
- POLICE COMPLEX BARRACKS AL KAMIL - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring
- POLICE COMPLEX BARRACKS SHINAS - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring
  
- POLICE COMPLEX BARRACKS BHALA - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring
- POLICE COMPLEX BARRACKS MUDHAIBI - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring
- POLICE COMPLEX BARRACKS THUMRAIT - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring
- POLICE COMPLEX BARRACKS AL KHOUDH - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring



# INDICATIVE REFERENCE LIST OF PROJECTS IN MIDDLE EAST AND INDIA

-POLICE COMPLEX BARRACKS MAHDAH - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring  
 -POLICE COMPLEX BARRACKS BID BID - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring  
 -POLICE COMPLEX BARRACKS AL KHABOORA - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring  
 -POLICE COMPLEX BARRACKS DHANK - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring  
 -POLICE COMPLEX BARRACKS HAFEET - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring  
 -POLICE COMPLEX BARRACKS AUQAD - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring  
 -POLICE COMPLEX BARRACKS SUMAIL - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring

-ALHALAFI BREAK - RIYADH, K.S.A - 1276 m<sup>2</sup> - Rubber flooring  
 -MIXED BASIC EDUCATION SCHOOL AL AMERAT - OMAN - 1225 m<sup>2</sup> - Colorflex, PU sport flooring  
 -GI-DHOFAR BEACH RESORT & SPA - OMAN - 1225 m<sup>2</sup> - Colorflex, PU sport flooring  
 -RLS BASIC EDUCATION SCHOOL SOHAR - OMAN - 1225 m<sup>2</sup> - Colorflex, PU sport flooring  
 -MIXED BASIC EDUCATION SCHOOL AL QABIL - OMAN - 1225 m<sup>2</sup> - Colorflex, PU sport flooring  
 -BOYS BASIC EDUCATION SCHOOL BARKHA - OMAN - 1225 m<sup>2</sup> - Colorflex, PU sport flooring  
 -EDUCATION SCHOOL MUDHAIBI - OMAN - 1225 m<sup>2</sup> - Colorflex, PU sport  
 -SHARJAH FOOTBALL CLUB - SHARJAH, U.A.E - 1200 m<sup>2</sup> - Polyurethane basketball courts  
 -GEMS WESTMINSTER SCHOOL - DUBAI, U.A.E - 1200 m<sup>2</sup> - Acrylic courts  
 -SHERATON PARK - DOHA, QATAR - 1200 m<sup>2</sup> - Playground flooring

-SILVER SPORTS CLUB - PUNE, INDIA - 1200 m<sup>2</sup> - Acrylic tennis courts  
 -SYMBIOSIS COLLEGE - PUNE, INDIA - 1180 m<sup>2</sup> - Acrylic sports flooring  
 -GIRLS BASIC -PROFESSOR ABDULAZIZ ANQARI - RIYADH, KSA -1150 m<sup>2</sup>-PU glue/Soccer field  
 -FIRST POINT SCHOOLS - DUBAI, U.A.E - 1100m<sup>2</sup> - Acrylic sports courts  
 -DUBAI AMERICAN ACADEMY - DUBAI, U.A.E - 1080 m<sup>2</sup> - Acrylic sports courts  
 -ALMGBAL BREAK - RIYADH, K.S.A - 1050 m<sup>2</sup> - Rubber playground  
 -BANIYAS CLUB AND AL AIN ENGLISH SPEAKING SCHOOL - ABU DHABI, U.A.E-1000m<sup>2</sup>-Acrylic  
 -MINISTRY OF EDUCATION - DAMMAM, K.S.A - 1000 m<sup>2</sup> - PU indoor multipurpose sports flooring  
 -AL AIN - U.A.E - 1000m<sup>2</sup> - PU indoor system

-COMMUNITY COLLEGE - KHAMIS, K.S.A - 940m<sup>2</sup>-Polyurethane indoor multipurpose sports flooring  
 -MINISTRY OF EDUCATION - ABHA, K.S.A - 900 m<sup>2</sup> - Polyurethane indoor multipurpose sports  
 -BAB AL SHAMS SPA HOTEL - DUBAI, U.A.E - 900 m<sup>2</sup> - Football court  
 -MINISTRY OF EDUCATION - ABHA, K.S.A -900m<sup>2</sup>-Polyurethane indoor multipurpose sports flooring  
 -GEMS METROPOLE SCHOOL - DUBAI, U.A.E - 900 m<sup>2</sup> - Playground flooring  
 -KING KHALID UNIVERSITY - ABHA, K.S.A-820m<sup>2</sup>-Polyurethane indoor multipurpose sports flooring  
 -SCHOOL IN AL WAKRA CITY - DOHA, QATAR - 800 m<sup>2</sup> - Polyurethane sports flooring  
 -MINISTRY OF EDUCATION - AL KHARIZ, K.S.A - 800 m<sup>2</sup> - PU indoor multipurpose sports flooring  
 -SULTAN MANOR - RIYADH, K.S.A - 800 m<sup>2</sup> - Polyurethane multipurpose sports flooring

-SCHOOL IN AL WAKRA CITY - DOHA, QATAR - 800 m<sup>2</sup> - Polyurethane sports flooring  
 -SULTAN MANOR - RIYADH, K.S.A - 800 m<sup>2</sup> - Polyurethane multipurpose sports flooring  
 -FITNESS TIME - FAYSALIA, DAMMAM, K.S.A -700m<sup>2</sup>-PU indoor multipurpose flooring/running track  
 -FITNESS TIME YASMEEN - RIYADH, K.S.A - 700 m<sup>2</sup> - PU indoor multipurpose flooring/running track  
 -FERRARI WORLD - ABU DHABI, U.A.E - 700m<sup>2</sup> - Playground flooring  
 -AL DAJAN COMPANY - GASIM, K.S.A - 722 m<sup>2</sup> - Polyurethane sports flooring/Tennis court  
 -HUREL DOUBLE 3 - RAS AL KHAIMH, K.S.A - 700 m<sup>2</sup> - Shockpad plus acrylic coating

-FITNESS TIME JUNIOR - RIYADH, K.S.A - 700 m<sup>2</sup> - PU indoor multipurpose flooring/running track  
 -FITNESS TIME - OLAYA RIYADH, K.S.A - 700 m<sup>2</sup> - PU indoor multipurpose flooring/ running track  
 -FITNESS TIME WAHA - RIYADH, K.S.A - 700 m<sup>2</sup> - PU indoor multipurpose flooring/running track  
 -FITNESS TIME, NOOR BRANCH - DAMMAM, K.S.A -700 m<sup>2</sup> - PU indoor flooring and running track  
 -FITNESS TIME, ALAMEEN BRANCH - DAMMAM, K.S.A - 700 m<sup>2</sup> - PU indoor flooring/running track  
 -FITNESS TIME, PLUS RIYADH - RIYADH, K.S.A - 700m<sup>2</sup>-PU indoor sports flooring and running track  
 -FITNESS TIME, 40th BRANCH - JEDDAH, K.S.A-700m<sup>2</sup>-PU indoor sports flooring and running track  
 -FITNESS TIME, SALAMA BRANCH BRO & FITNESS - JEDDAH, K.S.A - 700m<sup>2</sup> -PU indoor flooring

# INDICATIVE REFERENCE LIST OF PROJECTS IN MIDDLE EAST AND INDIA

- NORTH LONDON COLLEGIATE SCHOOL - SHARJA, U.A.E - Playground flooring
- RAK MODERN SCHOOL - RAS AL KHAIMAH, U.A.E - Playground flooring
- GIIS/GLOBAL INDIAN INTERNATIONAL SCHOOL - RAS AL KHAIMAH, U.A.E-Playground flooring
- RAK ACADEMY - RAK, UAE - Acrylic flooring -ISCS - SHARJA, U.A.E - Acrylic flooring
- HOTEL DOUBLE 3 - RAS AL KHAIMAH, U.A.E - Prefabricated shock-pad 4mm plus acrylic coatings
  
- GEMS WINCHESTER SCHOOL - AL BARSHA SOUTH, U.A.E - Acrylic sports system
- MINISTRY OF EDUCATION, NAD AL HAMAR BOYS SCHOOL - DUBAI, U.A.E -Playground flooring
- MINISTRY OF EDUCATION, MIZHER GIRLS SCHOOL - DUBAI, U.A.E - Playground flooring
- AL WAHDA CLUB - ABU DHABI, U.A.E - Rubber flooring
- AL SHIMAL PARK - DOHA, QATAR - Playground flooring
- WELHAMS GIRLS SCHOOL - DEHRADUN, INDIA - Acrylic sports flooring
- NCC - JAIS, INDIA - Acrylic sports flooring
  
- ADJD MAIN BUILDING LANDSCAPE PROJECT - ABU DHABI, U.A.E - Rubber flooring
- KADEEJ AL KURBA SCHOOL - ABU DHABI, U.A.E - Rubber flooring
- INTERNATIONAL SCHOOL OF CREATIVE SCIENCE - SHARJA, U.A.E - Flexfloor system
- GEMS METROPOLE SCHOOL - DUBAI, U.A.E - Hard court system/Outdoor Multipurpose court
- ARABIAN RANCHES by EMAR - DUBAI, U.A.E - Acrylic Outdoor Tennis and Basketball courts
- THE INTERNATIONAL SCHOOL OF CHOUEIFAT - AJMAN, U.A.E - Sportground-Ex system
- RAK MODERN SCHOOL - RAS AL KHAIMAH, U.A.E - Flexfloor system
- GIIS/GLOBAL INDIAN INTERNATIONAL SCHOOL - RAS AL KHAIMAH, U.A.E - Acrylic system
- AVALON HEIGHTS - AJMAN, U.A.E - Acrylic floorings
- DELHI PRIVATE SCHOOL - DUBAI, U.A.E - Acrylic flooring
  
- ROYAL COMMISSION SCHOOL - JUBALI, K.S.A - Acrylic sports flooring
- AGRA CHAIN - AGRA, INDIA - Acrylic sports flooring
- SUNWORLD - NOIDA, INDIA - Acrylic sports flooring
- SSN INVESTMENTS PRIVATE LIMITED, FRIENDS COLONY - DELHI, INDIA -Acrylic sports flooring
- LIONS GATE - MUMBAI, INDIA - Acrylic sports flooring
- MORNING GLORY INFRA LIMITED - KANPUR, INDIA - Acrylic sports flooring
- NAMBIAR - BANGALORE, INDIA - Acrylic sports flooring
- PATHWAYS - GURGAON, INDIA - Acrylic sports flooring
- UM SELAL PARK - DOHA, QATAR - Playground flooring
- AL KABAN PARK - DOHA, QATAR - Playground flooring
  
- ALPHA FOUNDATION FOR EDUCATION & RESEARCH - TRICHIRAPALLI, INDIA - Acrylic flooring
- PUSHPANJALI FARMS - NEW DELHI, INDIA - Acrylic sports flooring
- M3M - MERLIN GURGAON, INDIA - Acrylic sports flooring
- GEMS WELLINGTON ACADEMY - DUBAI, U.A.E - Jogging tracks
- THE VILLAGIO - BANGALORE, INDIA - Acrylic sports flooring
- INDIAN PUBLIC SCHOOL - BANGALORE, INDIA - Acrylic sports flooring
- PRESTIGE NORWOOD - BANGALORE, INDIA - Acrylic sports flooring
  
- PRESTIGE BIRCHWOOD - BANGALORE, INDIA - Acrylic sports flooring
- LIONS GATE MUMBAI - INDIA - Acrylic sports flooring
- CENTURY EDEN - BANGALORE, INDIA - Acrylic sports flooring
- PRESTIGE MISTY - BANGALORE, INDIA - Acrylic sports flooring
- MORNING GLORY - CHENNAI, INDIA - Acrylic sports flooring
- AL JALAHALLI UNIVERSAL - CHENNAI - Acrylic sports flooring
- RAFLES - BANGALORE, INDIA - Acrylic sports flooring
  
- NPS OZONE - BANGALORE, INDIA - Acrylic sports flooring
- TCS ADIBATLA - BANGALORE, INDIA - Acrylic sports flooring
- ANNAMALAI - BANGALORE, INDIA - Acrylic sports flooring

# INDICATIVE REFERENCE LIST OF PROJECTS IN MIDDLE EAST AND INDIA

- AIRFORCE SURBOTO PARK - NEW DELHI, INDIA - 680 m<sup>2</sup> - Polyurethane outdoor sports flooring
- MOUNT ST. PATRICK ACADEMY - PUNE, INDIA - 665 m - Acrylic sports flooring
- ABU DHABI MUNICIPALITY - ABU DHABI, U.A.E - 650 m<sup>2</sup> - Acrylic flooring
- REGIONAL HQ AT BURAIMI - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring
- ROYAL OMAN POLICE TASK FORCE RUSTAQ - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring
- ROYAL OMAN POLICE TASK FORCE LIWA - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring
- ROYAL OMAN POLICE TASK FORCE AL SALIL - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring
- ROYAL OMAN POLICE TASK FORCE IBRI - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring
- ROYAL OMAN POLICE TASK FORCE IBRA - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring
- ROYAL OMAN POLICE TASK FORCE AL SUR - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring
- ROYAL OMAN POLICE TASK FORCE AL DUKUM - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring
- ROYAL OMAN POLICE TASK FORCE AL BURAIMI - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring
- ROYAL OMAN POLICE TASK FORCE AL NIZWA - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring
- ROYAL OMAN POLICE TASK FORCE AL SUWAIQ - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring
- ROYAL OMAN POLICE TASK FORCE AL SALALAH - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring
- ROYAL OMAN POLICE TASK FORCE AL BARKHA - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring
- ROYAL OMAN POLICE TASK FORCE KHOUDH - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring
- MOHAMMED JASSIM M AL THANI SCHOOL - UMSALALALI, QATAR - 620 m<sup>2</sup>-PU outdoor flooring
- VAISHNO DEVI - DELHI, INDIA - 608 m<sup>2</sup> - Polyurethane outdoor sports flooring
- QATAR GEMS SCHOOL - DOHA, QATAR - 615 m<sup>2</sup> - Polyurethane sports flooring
- THE SUSTAINABLE CITY - DUBAI, U.A.E - 600 m<sup>2</sup> - Safepol system
- OUR OWN ENGLISH HIGH SCHOOL - SHARJAH, U.A.E - 600 m<sup>2</sup> - Flexfloor system
- OUR OWN ENGLISH HIGH SCHOOL - SHARJAH, U.A.E - 600 m<sup>2</sup> - Polyflex Ael-EX system
- NEW DUBAI BRADENTON SCHOOL- DUBAI, U.A.E - 570 m<sup>2</sup> - Acrylic sports courts
- DUBAI SILICON OSIS-CENTRAL PARK, DSO - DUBAI, U.A.E - 560 m<sup>2</sup> - Jogging track
- AL WUKAIR GIRLS SCHOOL - AL WAKRAH, QATAR - 550 m<sup>2</sup> -Polyurethane outdoor sport flooring
- IVY ESTATE - PUNE, INDIA - 510 m<sup>2</sup> - Acrylic sports flooring
- KUNAL ICONIA - PUNE, INDIA - 510 m<sup>2</sup>- Acrylic sports flooring
- BBPS - DELHI, INDIA - Polyurethane outdoor sports flooring
- AMERICAN SCHOOL OF DUBAI - DUBAI, U.A.E - Acrylic sports courts
- ADAM AIRBASE PACKAGE 8, OMAN - Colorflex, PU sport flooring
- ETIHAD MUSEUM - JUMEIRAH, DUBAI, U.A.E - Rubber flooring
- CARPARKING - ABU DHABI, U.A.E - Acrylic flooring
- DUBAI MILLENIUM SCHOOL - QUSAIS, U.A.E - Acrylic sports courts
- GOLD GYM - KOLKATTA, INDIA - Polyurethane indoor sports flooring
- MINISTRY OF FOREIGN AFFAIRS - ABU DHABI, U.A.E - Polyurethane flooring
- THE KINDER GARDEN STARTERS - DUBAI, U.A.E - Safepol system
- GEMS WELLINGTON SCHOOL - DUBAI, U.A.E - Safepol system
- JUMEIRAH RETAIL DEVELOPMENT - JUMEIRAH, DUBAI, U.A.E - Safety rubber flooring
- MR.ABDULRHMIN-JUBAIL, K.S.A - Rubber playground
- BRIGHT RIDERS SCHOOL - ABU DHABI, U.A.E - Running track, Acrylic sports court
- ALPHA SCHOOL TRICHY - CHENNAI, INDIA - Acrylic sports flooring
- OUR OWN ENGLISH HIGH SCHOOL - SHARJAH, U.A.E - Poltrack Spaycoat system
- AL HAMRA, U.A.E - Bicycle track
- GEMS WESTMINSTER SCHOOL - DUBAI, U.A.E - Safepol system
- ARABIAN RANCHES by EMAR - DUBAI, U.A.E - Playground flooring
- OUR OWN ENGLISH HIGH SCHOOL - SHARJAH, U.A.E - Playground flooring
- AMERICAN UNIVERSITY - DUBAI, U.A.E – Acrylic outdoor sports flooring

# RECOMMENDED SUBFLOOR FOR RUBBER AND LIQUID SPORTS FLOORING

**Asphalt is the safer subfloor for sports flooring and must be always preferred than concrete surfaces.**

## **A. Asphalt Substrate**

**The asphalt must have a slope of 0.7-1% and must dry for at least 30 days so that all solvents from the asphalt can evaporate.**

The asphalt sub-floor should be applied on well compacted 150mm road base sub-floor and asphalt should be laid in one layer (and not 2) in 6 to 8cm with mixed fine and coarse aggregates (up to 15mm granulometry) like the kind of asphalt used in road construction.

So, new road-grade asphalt will have to be laid (minimum 60mm) in one layer containing coarse aggregates and then mature for 30 days at least, before any application takes place on top of the asphalt to avoid bubbles on the final layer of the sport or rubber floorings.

## **B. Concrete Surface**

**Concrete surface must be power-trowelled, without cracks and must be smooth with a slope of 0.7-1% and humidity under 4% in 10cm depth of concrete.**

**Concrete must also be dry at least for 40 days and then the application takes place if there is no rising humidity of the sub-floor.** Before the application takes place, there must be proper grinding of the surface by a grinding machine to open the pores accordingly and also a measurement by special instrument to measure humidity on the surface and in 10cm under the surface.

**Generally concrete is a risky sub-floor** and there may be problems with rising humidity, especially in areas where the sea level is really high and where the sea is close or in areas near greenery.

Always make expansion joints in large areas of concrete, in order to avoid uncontrollable cracks and failures.



# OUTDOOR SPORTS FLOORING

## SPORTFLOOR-EX HARD COURT

Outdoor resilient, acrylic medium-hard sports flooring system ideal for tennis, basketball, volleyball, handball, football courts, as well as any other outdoor sports courts.

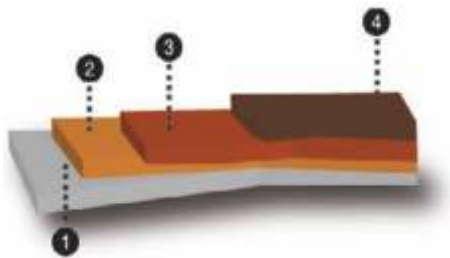
Combination of wet-pour acrylic coatings in total average thickness of 2.2mm.

**Certified system by the International Tennis Federation (I.T.F).**



### Steps:

- 1. RITIVEX R LIQUID 1102 - Acrylic primer.**  
Used as primer of acrylic coatings, such as **ELASTOSPORT 853** or **SUPER ELASTOCOAT 842**. Applied by airless sprayer or brush.
- 2. ELASTOSPORT 853 - Acrylic, one component, smoothing and repairing wet-pour resurfacer for sports floors systems.**  
Consists of acrylic resins, quartz sand and special improver. **ELASTOSPORT 853** is applied by squeegee on smooth compact asphalt to seal the porosity and smooth out the surface before the application of **ELASTOTURF 851**. Highly resistant to adverse weather conditions(snow, frost, heat waves etc.) after drying.
- 3. ELASTOTURF 851 - Acrylic, elastic, slip-resistant, coating for sports floors systems.**  
Consists of acrylic resins, quartz sand and special improver. It is combined with **ELASTOSPORT 853** as substrate to create multi-purpose sports flooring systems. Highly resistant to adverse weather conditions(snow, frost, heat waves etc.) after drying. Applied by squeegee.
- 4. ELASTOMARK 818 - Elastic, acrylic coating for indoor and outdoor surfaces.**  
Applied by short haired mohair roller.



Description	Consumption
RITIVEX R LIQUID 1102 - Acrylic primer.	0.2-0.3kg/m <sup>2</sup> for 1 layer
ELASTOSPORT 853 - Acrylic, one component, smoothing and repairing wet-pour resurfacer for sports floors systems.	2kg/m <sup>2</sup> for 2 layers
ELASTOTURF 851 - Acrylic, elastic, slip-resistant, coating for sports floors systems.	0.5kg/m <sup>2</sup> for 1 layer 1kg/m <sup>2</sup> for 2 layers
ELASTOMARK 818 - Elastic, acrylic coating for indoor and outdoor surfaces.	0.35kg/m <sup>2</sup> for 1 layer

# OUTDOOR SPORTS FLOORING

## FLEXFLOOR-EX in 3.5mm

Outdoor flexible, acrylic sports flooring system ideal for tennis, basketball, volleyball, handball and football courts, as well as any other outdoor sports court.

Combination of wet-pour acrylic coatings in total average thickness of 3.5mm.

**Certified system by the International Tennis Federation (I.T.F)**

### Steps:

**1. RITIVEX R LIQUID 1102 - Acrylic primer.**

Used as primer of acrylic coatings, such as **ELASTOSPORT 853** or **SUPER ELASTOCOAT 842**. Applied by airless sprayer or brush.

**2. ELASTOSPORT 853 - Acrylic, one component, smoothing and repairing wet-pour resurfacer for sports floors systems.**

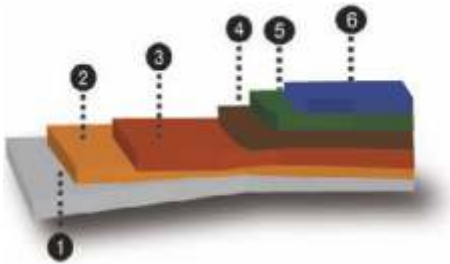
Consists of acrylic resins, quartz sand and special improvers. **ELASTOSPORT 853** is applied by squeegee on dry compact asphalt to seal the porosity and smooth out the surface before the application of **SUPER ELASTOCOAT 842**. Highly resistant to adverse weather conditions (snow, frost, heat waves etc.) after drying.

**3. SUPER ELASTOCOAT COARSE 842 - Highly flexible, pasty, wet-pour cushion rubber flooring for sports flooring systems.**

Consists of recycled rubber, acrylic resins and special improver, with SBR granules in granulometry of 0.5-1.0mm. Applied by squeegee in 2 crossing layers on dry compact smooth asphalt or waterproof concrete substrates or on **ELASTOSPORT 853**.

**4. SUPER ELASTOCOAT FINE 842 - Highly flexible, pasty, wet-pour cushion rubber flooring for sports flooring systems.**

Consists of recycled rubber, acrylic resins and special improvers, with SBR powder in granulometry of 0.2-0.5mm. Applied by squeegee in 2 crossing layers on dry compact smooth asphalt or waterproof concrete substrates or on **ELASTOSPORT 853**.



**5. ELASTOTURF 851 - Acrylic, elastic, slip-resistant, coating for sports floors systems.**

Consists of acrylic resins, quartz sand and special improver. Highly resistant to adverse weather conditions (snow, frost, heat waves etc.) after drying. Applied by squeegee.

**6. ELASTOMARK 818 - Elastic, acrylic coating for indoor and outdoor surfaces.**

Applied by short haired mohair roller.

Description	Consumption
RITIVEX R LIQUID 1102 - Acrylic primer.	0.2-0.3kg/m <sup>2</sup> for 1 layer
ELASTOSPORT 853 - Acrylic, one component, smoothing and repairing wet-pour resurfacer for sports floors systems.	1.3kg/m <sup>2</sup> for 1 layer
SUPER ELASTOCOAT COARSE 842 - Highly flexible, pasty, wet-pour cushion sub-layer for sports flooring systems.	1.2kg/m <sup>2</sup> for 2 layers
SUPER ELASTOCOAT FINE 842 - Highly flexible, pasty, wet-pour cushion sub-layer for sports flooring systems.	0.8kg/m <sup>2</sup> for 2 layers
ELASTOTURF 851 - Acrylic, elastic, slip-resistant, coating for sports floors systems.	1.3kg/m <sup>2</sup> for 2 layers
ELASTOMARK 818 - Elastic, acrylic coating for indoor and outdoor surfaces.	0.35kg/m <sup>2</sup> for 1 layer

# OUTDOOR SPORTS FLOORING

## FLEXFLOOR-EX in 6mm

Outdoor flexible, acrylic sports flooring system ideal for tennis, basketball, volleyball, handball and football courts, as well as any other outdoor sports court.

Combination of wet-pour acrylic coatings in total average thickness of 6mm.

### Steps:

**1. RITIVEX R LIQUID 1102 - Acrylic primer.**

Used as primer of acrylic coatings, such as **ELASTOSPORT 853** or **SUPER ELASTOCOAT 842**. Applied by airless sprayer or brush.

**2. ELASTOSPORT 853 - Acrylic, one component, smoothing and repairing wet-pour resurfacer for sports floors systems.**

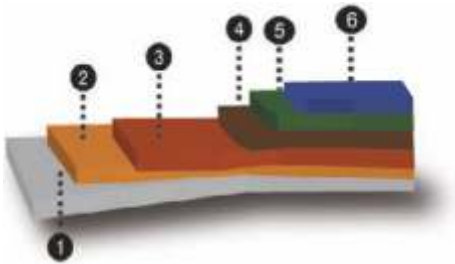
Consists of acrylic resins, quartz sand and special improvers. **ELASTOSPORT 853** is applied by squeegee on dry compact asphalt to seal the porosity and smooth out the surface before the application of **SUPER ELASTOCOAT 842**. Highly resistant to adverse weather conditions (snow, frost, heat waves etc.) after drying.

**3. SUPER ELASTOCOAT COARSE 842 - Highly flexible, pasty, wet-pour cushion rubber flooring for sports flooring systems.**

Consists of recycled rubber, acrylic resins and special improver, with SBR granules in granulometry of 0.5-1.0mm. Applied by squeegee in 5 crossing layers on dry compact smooth asphalt or waterproof concrete substrates or on **ELASTOSPORT 853**.

**4. SUPER ELASTOCOAT FINE 842 - Highly flexible, pasty, wet-pour cushion rubber flooring for sports flooring systems.**

Consists of recycled rubber, acrylic resins and special improvers, with SBR powder in granulometry of 0.2-0.5mm. Applied by squeegee in 2 crossing layers on dry compact smooth asphalt or waterproof concrete substrates or on **ELASTOSPORT 853**.



**5. ELASTOTURF 851 - Acrylic, elastic, slip-resistant, coating for sports floors systems.**

Consists of acrylic resins, quartz sand and special improver. Highly resistant to adverse weather conditions (snow, frost, heat waves etc.) after drying. Applied by squeegee.

**6. ELASTOMARK 818 - Elastic, acrylic coating for indoor and outdoor surfaces.**

Applied by short haired mohair roller.

Description	Consumption
RITIVEX R LIQUID 1102 - Acrylic primer.	0.2-0.3kg/m <sup>2</sup> for 1 layer
ELASTOSPORT 853 - Acrylic, one component, smoothing and repairing wet-pour resurfacer for sports floors systems.	1.3kg/m <sup>2</sup> for 1 layer
SUPER ELASTOCOAT COARSE 842 - Highly flexible, pasty, wet-pour cushion sub-layer for sports flooring systems.	3.4kg/m <sup>2</sup> for 5 layers
SUPER ELASTOCOAT FINE 842 - Highly flexible, pasty, wet-pour cushion sub-layer for sports flooring systems.	0.8kg/m <sup>2</sup> for 2 layers
ELASTOTURF 851 - Acrylic, elastic, slip-resistant, coating for sports floors systems.	1.3kg/m <sup>2</sup> for 2 layers
ELASTOMARK 818 - Elastic, acrylic coating for indoor and outdoor surfaces.	0.35kg/m <sup>2</sup> for 1 layer

# OUTDOOR SPORTS FLOORING

## WET-POUR POLYFLEX AEL-EX

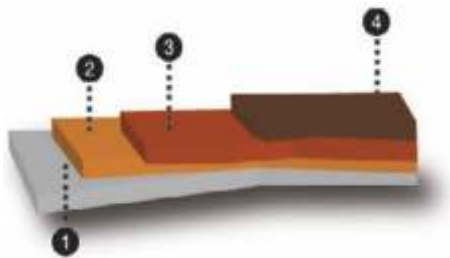
Outdoor highly flexible, acrylic system, ideal for tennis, basketball, volleyball, handball, football, multipurpose courts, as well as any other outdoor sports court.

Combination of a mixture of **PU BINDER 1118** plus **RECYCLED RUBBER 858** in granulometry of 0.5-2mm, in ratio 18%-82% and acrylic coatings in total thickness of 8mm up to 14mm.



### Steps:

- 1. PU PRIMER 870 - Special, polyurethane primer.**  
Applied by airless sprayer or brush on asphalt surfaces or on waterproof concrete surfaces without rising humidity issues.
- 2. Mixture of PU BINDER 1118 and RECYCLED RUBBER 858, minimum 6mm - Elastic, shock-absorbent, wet-pour system.**  
The **RECYCLED RUBBER 858** is in granulometry of 0.5-2mm. The mixture is applied by paving machine in thickness of 6mm to 12mm or more.
- 3. ELASTOTURF 851 - Acrylic, elastic, slip-resistant coating for sports floors systems.**  
Consists of acrylic resins, quartz sand and special improver. Creates multi-purpose sports flooring systems. Highly resistant to adverse weather conditions (snow, frost, heat waves etc.) after drying. Applied by squeegee in 2 layers at least.
- 4. ELASTOMARK 818 - Elastic, acrylic coating for indoor and outdoor surfaces.**  
Applied by short haired mohair roller.



Description	Consumption
PU PRIMER 870 - Special, polyurethane, prime.	0.2-0.3kg/m <sup>2</sup> for 2 layers
PU BINDER 1118 - Polyurethane binder.	1.2kg/m <sup>2</sup> for 10mm mixture
RECYCLED RUBBER 858 - SBR granules in granulometry of 0.5-2mm.	6kg/m <sup>2</sup> for 10mm mixture
ELASTOTURF 851 - Acrylic, elastic, slip-resistant, coating for sports floors systems.	3-3.3kg/m <sup>2</sup> for 2 layers
ELASTOMARK 818 - Elastic, acrylic coating for indoor and outdoor surfaces.	0.35kg/m <sup>2</sup> for 1 layer



# OUTDOOR SPORTS FLOORING

## POLYFLEX AEL-EX

Outdoor highly flexible, acrylic system, ideal for tennis, basketball, volleyball, handball, football, multipurpose courts, as well as any other outdoor sports court.

Combination of prefabricated shock-pads and acrylic coatings in average total thickness of 6mm up to 14mm.

**Certified system by the International Tennis Federation (I.T.F)**

### Steps:

**1. PU FLEX 140 - Special, polyurethane, two-component adhesive.**

It is applied with a V-notch trowel, on dry waterproof surfaces of concrete, without rising humidity issues, or smooth, asphalt surfaces. Used for the application of **ISOPOL 854** shock-pad in rolls or other prefabricated shock-absorbent rolls made from recycled rubber or **EPDM** granules.

**2. ISOPOL 854 - Shock-pad in rolls.**

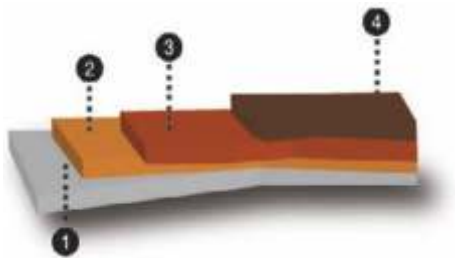
Elastic, prefabricated shock-pad made of recycled rubber granules providing shock-absorbency, in thickness of 4mm up to 12mm. Used as cushion substrate before the application of polyurethane or acrylic systems.

**3. ELASTOTURF 851 - Acrylic, elastic, slip-resistant, coating for sports floors systems.**

Consists of acrylic resins, quartz sand and special improver. It is combined with **ISOPOL 854** as substrate to create multipurpose sports flooring systems. Highly resistant to adverse weather conditions (snow, frost, heat waves etc.) after drying. Applied by squeegee in 2 layers at least.

**4. ELASTOMARK 818 - Elastic, acrylic coating for indoor and outdoor surfaces.**

Applied by short haired mohair roller.



Description	Consumption
PU FLEX 140 - Special, polyurethane, two-component adhesive.	1kg/m <sup>2</sup> for 1 layer
ISOPOL 854 - Shock-pad in rolls.	
ELASTOTURF 851 - Acrylic, elastic, slip-resistant, coating for sports floors systems.	1.7-2kg/m <sup>2</sup> for 2 layers
ELASTOMARK 818 - Elastic, acrylic coating for indoor and outdoor surfaces.	0.35kg/m <sup>2</sup> for 1 layer

# OUTDOOR SPORTS FLOORING

## WET-POUR POLYFLEX PU-EX

Outdoor highly resilient sports flooring system ideal for multipurpose areas, tennis, basketball, volleyball, handball, football courts, as well as any other outdoor sports court.

Combination of a mixture of **PU BINDER 1118** plus **RECYCLED RUBBER 858** in granulometry of 0.5-2mm, in thickness of 6mm up to 14mm and polyurethane elastic top coating system in 2mm thickness.



### Steps:

**1. PU PRIMER 870 - Special, polyurethane primer.**

Applied by airless sprayer or brush on asphalt surfaces or on waterproof concrete surfaces without rising humidity issues.

**2. Mixture of PU BINDER 1118 and RECYCLED RUBBER 858 - Elastic, shock-absorbent, wet-pour system.**

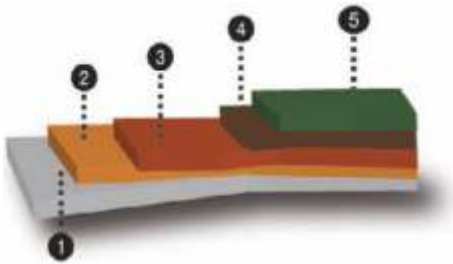
The **RECYCLED RUBBER 858** is in granulometry of 0.5-2mm. The mixture is applied by paving machine in thickness from 6mm to 12mm or more.

**3. POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.**

Used for sealing porous wet-pour shock-pad sub-floor of sports floorings systems. Applied by flat trowel.

**4. POLYSPORT PU 1051 - Polyurethane, self-leveling, two-component coat for outdoor sports surfaces.**

It is combined with wet-pour, shock-absorbent, resilient rubber cushion as substrate to create multipurpose sports flooring systems. Pore filling with **POLYSPORT STUCCO 1050** precedes its application. Applied by V-notch trowel and the parallel use of spiked roller.



**5. POLYSPORT 1052 - UV-resistant, polyurethane, aliphatic, two-component top coating for outdoor sports floorings.**

Applied, in two crossing layers by airless sprayer or short haired mohair roller.

Description	Consumption
PU PRIMER 870 - Special, polyurethane primer.	0.2-0.3kg/m <sup>2</sup> for 2 layers
PU BINDER 1118 - Polyurethane binder.	1.2kg/m <sup>2</sup> for 10mm mixture
RECYCLED RUBBER 858 - SBR granules in granulometry of 0.5-2mm.	6kg/m <sup>2</sup> for 10mm mixture
POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.	1.3-2.5kg/m <sup>2</sup> for 2 layers depending on the SBR granulometry
POLYSPORT PU 1051 - Polyurethane, self-leveling, two-component coat for outdoor sports surfaces.	2-2.2kg/m <sup>2</sup> for 1 layer
POLYSPORT 1052 - UV-resistant, polyurethane, two-component, top coating for outdoor sports floorings.	0.3kg/m <sup>2</sup> for 2 layers

# OUTDOOR SPORTS FLOORING

## POLYFLEX PU-EX

Outdoor highly resilient sports flooring system ideal for multipurpose areas, tennis, basketball, volleyball, handball, football courts, as well as any other outdoor sports court.

Combination of prefabricated shock-pads and polyurethane materials in 6-16mm average total thickness.

**Certified system by LABOSPORT Institute and KIWA Institute.**

### Steps:

**1. PU FLEX 140 - Special, polyurethane, two-component adhesive.**

It is applied with a V-notch trowel, on dry waterproof, smooth, power-troweled surfaces of concrete, without rising humidity issues, or asphalt. Used for the application of **ISOPOL 854** shock-pads or other prefabricated shock-absorbent rolls made from recycled rubber or **EPDM** granules.

**2. ISOPOL 854 - Shock-pad in rolls.**

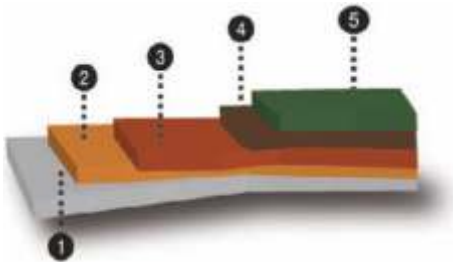
Elastic, prefabricated shock-pad made of recycled rubber granules providing shock-absorbency, in thickness of 4mm up to 12mm. Used as cushion substrate before the application of polyurethane or acrylic systems.

**3. POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.**

Used for sealing porous prefabricated subfloor of sports floorings such as **ISOPOL 854** or wet-pour cushion shock-pads. Applied by a flat trowel.

**4. POLYSPORT PU 1051 - Polyurethane, self-leveling, two-component coat for outdoor sports surfaces.**

It is combined with **ISOPOL 854** as substrate to create multi-purpose shock-absorbent resilient sports flooring systems. Pore filling with **POLYSPORT STUCCO 1050** precedes its application. Applied by a V-notch trowel and the parallel use of spiked roller.



**5. POLYSPORT 1052 - UV-resistant, polyurethane, aliphatic, two-component top coating for outdoor sports floorings.**

Applied, in two crossing layers by airless sprayer or short haired mohair roller.

Description	Consumption
PU FLEX 140 - Special, polyurethane, two-component adhesive.	1kg/m <sup>2</sup> for 1 layer
ISOPOL 854 - Shock-pad in rolls.	
POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.	0.7-0.8kg/m <sup>2</sup> for 2 layers on rolls
POLYSPORT PU 1051 - Polyurethane, self-leveling, two-component coat for outdoor sports surfaces.	2-2.2kg/m <sup>2</sup> for 1 layer
POLYSPORT 1052 - UV-resistant, polyurethane, two-component, top coating for outdoor sports floorings.	0.3kg/m <sup>2</sup> for 2 layers

# OUTDOOR SPORTS FLOORING

## COLORFLEX

Elastic, wet-pour, polyurethane, safety flooring ideal for schoolyards, playground floorings and also for volleyball, handball, basketball, football courts and multipurpose courts.

Consists of a mixture of **RECYCLED RUBBER 858** with **PU BINDER 1118**, which can be applied in thickness from 6mm up to 20 mm as first layer(shockpad layer) and then a mixture of **EPDM 856** in granulometry of 1mm up to 3mm (83% by weight) with **PU BINDER 1118** (17% by weight) applied by paving machine or by trowel with the parallel use of a cylinder (10kg) in thickness from 6 mm up to 15 mm.

It can create many designs and patterns by the use of different colors of **EPDM 856**. It is applied in total thickness from 12 mm up to 30 mm, only over cured asphalt surfaces and waterproofed power-troweled smooth concrete surfaces without rising humidity issues.

### Steps:

**1. PU PRIMER 870 - Special, polyurethane primer.**

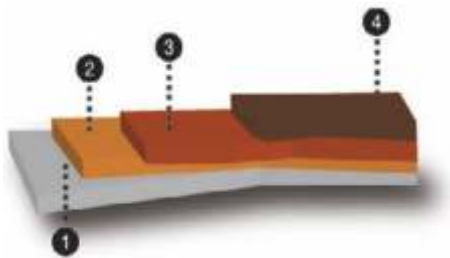
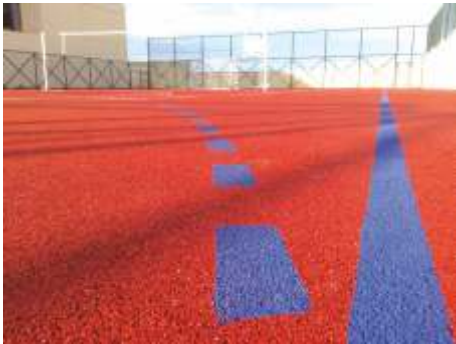
Applied by airless sprayer or brush on asphalt surfaces or on waterproof concrete surfaces without rising humidity issues.

**2. Mixture of PU BINDER 1118 and RECYCLED RUBBER 858.**

Applied by paving machine. Alternatively, it can be applied by flat metal trowel after spreading and leveling with rake and straightedge. Rolling with cylinder follows for compacting. Thickness from 6mm up to 20mm.

**3. Mixture of PU BINDER 1118 and EPDM 856.**

Applied by paving machine. Alternatively, it can be applied by flat metal trowel after spreading and leveling with rake and straightedge. Rolling with cylinder follows for compacting. Thickness from 6mm up to 15mm.



**4. POLYSPORT XP 1069 - UV-resistant, two-component, universal, mat, top coating for the protection of EPDM granules.**

Applied in two crossing layers by airless sprayer or short haired mohair roller on the surface in the desired color, as dual protection from UV sunlight and color fading while giving the possibility to create different designs and patterns. Necessary protection for all EPDM colors except basic colors of KDF's colorchart, E3 & E10.

Description	Consumption
PU PRIMER 870 - Special, polyurethane primer.	0.2-0.3kg/m <sup>2</sup> for 2 layers
PU BINDER 1118 - Polyurethane binder.	1kg/m <sup>2</sup> for 10mm mixture
RECYCLED RUBBER 858 - SBR granules in granulometry of 1-3mm.	6kg/m <sup>2</sup> for 10mm mixture
PU BINDER 1118 - Polyurethane binder.	2kg/m <sup>2</sup> for 10mm mixture
EPDM 856 - EPDM granules.	10kg/m <sup>2</sup> for 10mm mixture
POLYSPORT XP 1069 - UV-resistant, two-component, universal, mat, top coating for the protection of EPDM granules.	0.4kg/m <sup>2</sup> for 2 layers



# OUTDOOR SPORTS FLOORING

## SAFEPOL UV

Very elastic shock-absorbent, cushion, wet-pour rubber flooring used as sub-floor before exterior acrylic coatings and polyurethane coatings and as a competitive sports courts system in combination with UV-resistant top coating **POLYSPORT XP 1069**.

Consists of a mixture of **RECYCLED RUBBER 858** (84% by weight) with **PU BINDER 1118** (16% by weight) applied by paving machine or by trowel with the parallel use of a cylinder (10kg).

It can create many designs and patterns since it is over-coated by the special UV-resistant paint **POLYSPORT XP 1069** in various colors.

Applied in total thickness of 8mm up to 20mm, depending on the elasticity needed.

### Steps:

**1. PU PRIMER 870 - Special, polyurethane primer.**

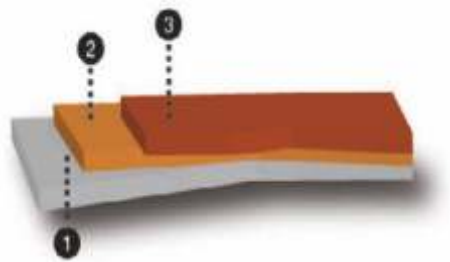
Applied by airless spray or brush on asphalt surfaces or on waterproof concrete surfaces without rising humidity issues.

**2. Mixture of PU BINDER 1118 plus RECYCLED RUBBER 858.**

Applied by paving machine or by flat metal trowel after spreading and leveling with rake and straightedge. Rolling with cylinder follows for compacting. Applied in thickness of 8mm up to 20mm.

**3. POLYSPORT XP 1069 - UV-resistant, two-component universal, mat, top coating for the protection of EPDM granules.**

Applied in two crossing layers by airless sprayer or short haired mohair roller on the surface in the desired color, as dual protection from UV sunlight and color fading while giving the possibility to create different designs and patterns. Necessary protection for all EPDM colors except basic colors of KDF's colorchart, E3 & E10.



Description	Consumption
PU PRIMER 870 - Special, polyurethane primer.	0.2-0.3kg/m <sup>2</sup> for 2 layers
PU BINDER 1118 - Polyurethane binder.	1.2kg/m <sup>2</sup> for 10mm mixture
RECYCLED RUBBER 858 - SBR granules in granulometry of 1-3mm.	6kg/m <sup>2</sup> for 10mm mixture
POLYSPORT XP 1069 - UV-resistant, two-component universal, mat, top coating for the protection of EPDM granules.	0.4kg/m <sup>2</sup> for 2 layers

# OUTDOOR SPORTS FLOORING

## SMARTFLOOR-EX

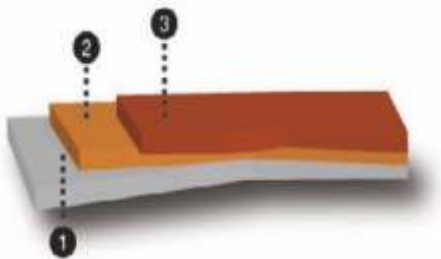
Outdoor resilient and fast-applied acrylic sports flooring system ideal for tennis, basketball, volleyball, handball, football courts, as well as any other outdoor sports courts.

Combination of wet-pour acrylic coatings in total average thickness of 1.5mm.



### Steps:

- 1. RITIVEX R LIQUID 1102 - Acrylic primer.**  
Used as primer of acrylic coatings such as **SMARTCOAT 880**. Applied by airless sprayer or brush.
- 2. SMARTCOAT 880 - Acrylic, colored coating/filler for smoothing out the surface of the asphalt and for giving superior wearing properties and mechanical resistance to the system.**  
Consists of colored acrylic resins, quartz sand and special improver. **SMARTCOAT 880** is applied by squeegee on smooth, compact road-grade asphalt and in parallel seals the porosity of the asphalt and smooths out the surface. Highly resistant to adverse weather conditions (snow, frost, heat waves etc.) after drying.
- 3. SMART TOP 890 - Acrylic, elastic coating for indoor and outdoor surfaces.**  
Applied by squeegee and rollers.



Description	Consumption
RITIVEX R LIQUID 1102 - Acrylic primer.	0.2-0.3kg/m <sup>2</sup> for 1 layer
SMARTCOAT 880 - Acrylic, colored coating/filler for smoothing out the surface of the asphalt and for giving superior wearing properties and mechanical resistance to the system.	2kg/m <sup>2</sup> for 2 layers depending on the porosity of the substrate
SMART TOP 890 - Acrylic, elastic coating for indoor and outdoor surfaces.	0.3kg/m <sup>2</sup> per layer 1 or 2 layers

# CYCLING TRACKS

## SPORTGROUND-EX

Outdoor resilient medium-hard acrylic flooring system ideal for surrounding areas in sports grounds, cycling tracks, parks, pathways etc.

Combination of wet-pour acrylic coatings in total average thickness of 2.2mm.

**Certified system by LABOSPORT Institute.**

### Steps:

**1. RITIVEX R LIQUID 1102 - Acrylic primer.**

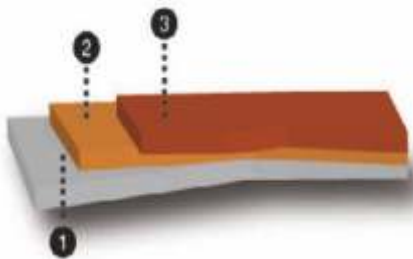
Used as primer of acrylic coatings, such as **ELASTOSPORT 853** or **SUPER ELASTOCOAT 842**. Applied by airless sprayer or brush.

**2. ELASTOSPORT 853 - Acrylic, one component, smoothing and repairing wet-pour resurfacer for sports floors systems.**

Consists of acrylic resins, quartz sand and specials improver. **ELASTOSPORT 853** is applied by squeegee on dry compact asphalt to seal the porosity and smooth out the surface before the application of **CORRIDOL 864**. Highly resistant to adverse weather conditions (snow, frost, heat waves etc.) after drying.

**3. CORRIDOL 864 - Acrylic, slip-resistant coating for outdoor surfaces.**

It is applied by squeegee on waterproof, smooth, concrete surfaces, without rising humidity issues, or asphalt surfaces. Prior application of **ELASTOSPORT 853** is recommended to fill in and smooth out the underlying substrate. Highly resistant to adverse weather conditions (snow, frost, heat waves etc.) after drying.



Description	Consumption
RITIVEX R LIQUID 1102 - Acrylic primer.	0.2-0.3kg/m <sup>2</sup> for 1 layer
ELASTOSPORT 853 - Acrylic, one component, smoothing and repairing wet-pour resurfacer for sports floors systems.	2kg/m <sup>2</sup> for 2 layers depending on the porosity of the asphalt substrate
CORRIDOL 864 - Acrylic, slip-resistant coating for outdoor surfaces.	1.5kg/m <sup>2</sup> for 3 layers

# CYCLING TRACKS

## DECOQUARTZ

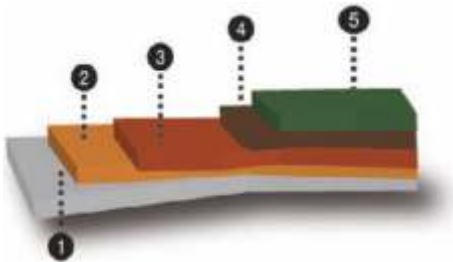
Consists of colored quartz aggregates broadcasting, in granulometry of 0.7-1.2mm, and two-component polyurethane resins for outdoor applications.

Recommended for cycling tracks, for anti-slip outdoor floorings, ramps, stairs, in surrounding areas of swimming pools, in city squares etc.



### Steps:

- 1. PU PRIMER - Polyurethane primer.**  
Applied by airless sprayer or brush.
- 2. COLOR QUARTZ AGGREGATES - In granulometry of 0.7-1.2mm.**  
Broadcasted.
- 3. PU COATING - Polyurethane, UV-resistant, two-component coating.**  
Applied by airless sprayer.
- 4. COLOR QUARTZ AGGREGATES - In granulometry of 0.7-1.2mm.**  
Broadcasted.
- 5. PU VARNISH 807 - Polyurethane, two-component UV-resistant sealing coat.**  
Highly resistant to adverse weather conditions (snow, frost, heat waves, etc.). Applied by airless sprayer.



Description	Consumption
PU PRIMER - Polyurethane primer.	0.35kg/m <sup>2</sup> for 2 layers
COLOR QUARTZ AGGREGATES (in granulometry of 0.7-1.2mm).	2.5kg/m <sup>2</sup>
PU COATING - Polyurethane, UV-resistant, two-component coating.	0.35kg/m <sup>2</sup> for 1 layer
COLOR QUARTZ AGGREGATES (in granulometry of 0.7-1.2mm).	2.5kg/m <sup>2</sup>
PU VARNISH 807 - Polyurethane, two-component, UV-resistant sealing coat.	0.3kg/m <sup>2</sup> for 2 layers



# RUNNING TRACKS

## POLTRACK SPRAYCOAT

Synthetic outdoor system for running tracks.

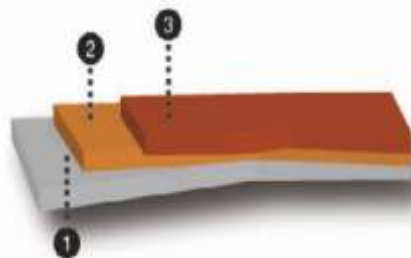
It is applied on fine asphalt or smooth, waterproof concrete, without rising humidity issues, in two basic layers. The first base layer is mixed at site, and consists of **RECYCLED RUBBER 858** and the polyurethane binder **POLAPLAST P13**. The second layer, spray layer, is applied at site and consists of **EPDM 856** (0.5-1.5mm) and the colored polyurethane spray coating **POLAPLAST P12**.

Priming with **POLAPLAST P10** precedes the application.

**Certified system by IAAF.**

### Steps:

- 1. POLAPLAST P10 - Polyurethane primer.**  
Applied by airless sprayer or brush.
- 2. Mixture of POLAPLAST P13 and RECYCLED RUBBER 858.**  
Applied by paving machine.
- 3. Mixture of POLAPLAST P12 and EPDM 856.**  
Applied by spraying machine in two crossing layers.



Description	Consumption
POLAPLAST P10 - Polyurethane primer.	0.15-0.2kg/m <sup>2</sup>
<b>BASE LAYER</b>	
POLAPLAST P13 - One-component, polyurethane binder.	1.2kg/m <sup>2</sup>
RECYCLED RUBBER 858 in granulometry of 0.5-2.5mm.	6kg/m <sup>2</sup>
<b>SPRAY LAYER</b>	
POLAPLAST P12 - Colored, two-component polyurethane spray coating.	1.35kg/m <sup>2</sup>
EPDM 856 in granulometry of 0.5-1.5mm.	0.9kg/m <sup>2</sup>

# RUNNING TRACKS

## POLTRACK SEALED SPRAYCOAT

Synthetic outdoor system for running tracks.

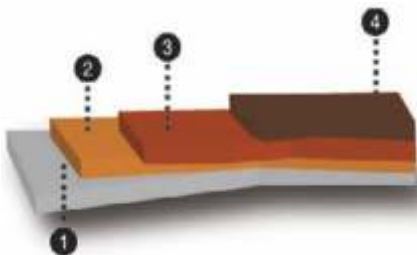
It is applied on fine asphalt or smooth, waterproof concrete, without rising humidity issues. Consists of a first base layer mixed at site, mixture of **RECYCLED RUBBER 858 SBR granules** and the polyurethane binder **POLAPLAST P13**, then a second layer (sealing layer), a polyurethane pore filler, **POLYSPORT STUCCO 1050** and then a third layer, spray coat, is applied at site which consists of **EPDM 856** (0.5-1.5mm) and the spraycoat, colored polyurethane binder **POLAPLAST P12**.

Priming with **POLAPLAST P10** precedes the application.

**Certified system by IAAF.**

**Steps:**

- 1. POLAPLAST P10 - Polyurethane primer.**  
Applied by airless sprayer or brush.
- 2. Mixture of POLAPLAST P13 and RECYCLED RUBBER 858 SBR granules.**  
Applied by paving machine.
- 3. POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.**  
Used for sealing porous prefabricated subfloor of sports floorings such as **ISOPOL 854** or wet-pour cushion shock-pads. Applied by flat trowel.
- 4. Mixture of POLAPLAST P12 and EPDM 856.**  
Applied by spraying machine in two crossings.



Description	Consumption
POLAPLAST P10 - Polyurethane primer.	0.15-0.2kg/m <sup>2</sup>
<b>BASE LAYER</b>	
POLAPLAST P13 - One-component, polyurethane binder.	1.2kg/m <sup>2</sup>
RECYCLED RUBBER 858 in granulometry of 0.5-2.5mm.	6kg/m <sup>2</sup>
<b>SEALING LAYER</b>	
POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.	1.5kg/m <sup>2</sup> for 2 layers
<b>SPRAY LAYER</b>	
POLAPLAST P12 - Colored, two-component polyurethane spray coating.	1.35kg/m <sup>2</sup>
EPDM 856 in granulometry of 0.5-1.5mm.	0.9kg/m <sup>2</sup>

# RUNNING TRACKS

## POLTRACK SANDWICH

Synthetic outdoor system for running tracks.

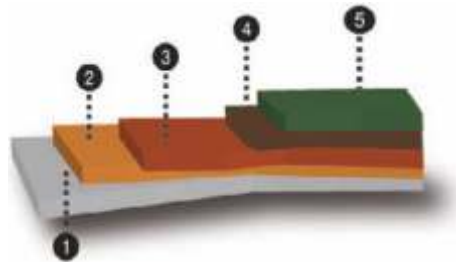
It is applied on fine asphalt or smooth, waterproof concrete, without rising humidity issues, with first layer (base layer) mixed at site, which consists of **RECYCLED RUBBER 858** and the polyurethane binder **POLAPLAST P13**, second layer (sealing layer) the colored polyurethane sealing material **POLAPLAST P22** on top of the cushion mixture, and third layer (surface layer) the full-PU colored polyurethane material **POLAPLAST P20**, before broadcasting **EPDM** granules on top to finish it off.

Priming with **POLAPLAST P10** precedes the application.

**Certified system by IAAF.**

**Steps:**

- 1. POLAPLAST P10 - Polyurethane primer.**  
Applied by airless sprayer or brush.
- 2. Mixture of POLAPLAST P13 and RECYCLED RUBBER 858**  
Applied by paving machine.
- 3. POLAPLAST P22 - Colored polyurethane sealing layer.**  
Applied by flat trowel.
- 4. POLAPLAST P20 - Colored, polyurethane full-PU, self-leveling surface layer.**  
Applied by V-notch trowel and the parallel use of spiked roller.
- 5. Broadcasting EPDM granules in granulometry 1-3mm.**



Description	Consumption
POLAPLAST P10 - Polyurethane primer.	0.2kg/m <sup>2</sup>
<b>BASE LAYER</b>	
POLAPLAST P13 - One-component, polyurethane binder.	1.2kg/m <sup>2</sup>
RECYCLED RUBBER 858 in granulometry of 0.5-2.5mm.	6kg/m <sup>2</sup>
<b>SEALING LAYER</b>	
POLAPLAST P22 - Colored polyurethane sealing layer.	1.5kg/m <sup>2</sup> for 2 layers
<b>SURFACE LAYER</b>	
POLAPLAST P20 - Colored polyurethane full-PU surface layer.	2.5kg/m <sup>2</sup>
EPDM 856 in granulometry of 1-3mm.	3.6kg/m <sup>2</sup>

# RUNNING TRACKS

## POLTRACK SANDWICH TRACK IN ROLLS

Synthetic outdoor system for running tracks.

It is applied on fine asphalt or smooth, waterproof concrete, without rising humidity issues, with first layer a base layer of the prefabricated shock-pad **ISOPOL 854**, second layer (sealing layer) the colored polyurethane sealing material **POLAPLAST P22** on top of the rolls, and third layer (surface layer) the full-PU colored polyurethane material **POLAPLAST P20**, before broadcasting **EPDM** granules on top to finish it off.



### Steps:

**1. PU FLEX - Special, polyurethane adhesive.**

Used for the application of **ISOPOL 854** shock-pads or other prefabricated shock-absorbent rolls made from recycled rubber or EPDM. Applied by V-notch trowel.

**2. ISOPOL 854 - Shock-pad in rolls.**

Elastic, prefabricated shock-pad made of recycled rubber providing shock-absorbency. Used as cushion substrate before the application of polyurethane or acrylic systems.

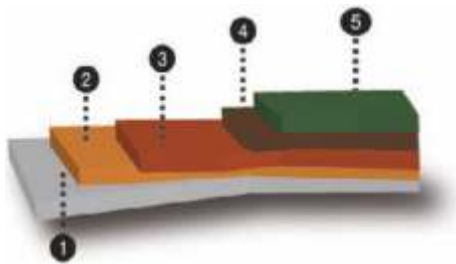
**3. POLAPLAST P22 - Colored polyurethane sealing layer.**

Applied by flat trowel.

**4. POLAPLAST P20 - Colored, polyurethane full-PU, self-leveling surface layer.**

Applied by V-notch trowel and the parallel use of spiked roller.

**5. Broadcasting EPDM granules in granulometry 1-3mm.**



Description	Consumption
PU FLEX 140 - Special, polyurethane adhesive.	1kg/m <sup>2</sup>
<b>BASE LAYER</b>	
ISOPOL 854 - Shock-pads in rolls.	
<b>SEALING LAYER</b>	
POLAPLAST P22 - Colored polyurethane sealing layer.	0.8kg/m <sup>2</sup> for 2 layers
<b>SURFACE LAYER</b>	
POLAPLAST P20 - Colored polyurethane full-PU surface layer.	2.5kg/m <sup>2</sup>
EPDM 856 in granulometry of 1-3mm.	3.6kg/m <sup>2</sup>



# RUNNING TRACKS

## POLTRACK FULL-PU

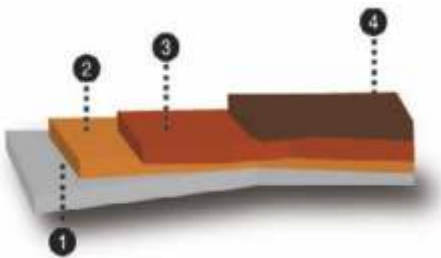
Synthetic outdoor system for running tracks in stadiums.

It is applied on fine asphalt or smooth, waterproof concrete, without rising humidity issues. After laying a PU primer for adhesion, follows the first layer (base layer), which consists of laying the FULL-PU colored polyurethane material **POLAPLAST P20** and broadcasting **RECYCLED RUBBER 858** (1-4mm) on top (fresh-on-fresh), a second layer comprising again the FULL-PU colored polyurethane material **POLAPLAST P20** laid on the surface and **RECYCLED RUBBER 858** (1-4mm) broadcast on top (fresh-on-fresh) and the third layer (surface layer) is the full-PU colored polyurethane material **POLAPLAST P20** laid on the surface and **EPDM** granules (1-3mm) broadcast on top to finish it off (fresh-on-fresh).



### Steps:

- 1. POLAPLAST P10 - Polyurethane primer.**  
Applied by airless sprayer or brush.
- 2. Mixture of POLAPLAST P20, colored full-PU material,**  
applied by V-notch trowel plus **RECYCLED RUBBER 858**,  
SBR granules, broadcasted on the surface.
- 3. Mixture of POLAPLAST P20, colored full-PU material,**  
applied by V-notch trowel plus **RECYCLED RUBBER 858**,  
SBR granules, broadcasted on the surface.
- 4. Mixture of POLAPLAST P20, colored full-PU material,**  
applied by V-notch trowel plus **EPDM 856**, EPDM granules,  
broadcasted on the surface.



Description	Consumption
POLAPLAST P10 - Polyurethane primer.	0.2kg/m <sup>2</sup>
<b>BASE LAYER</b>	
POLAPLAST P20 - Colored polyurethane full-PU material.	3kg/m <sup>2</sup>
RECYCLED RUBBER 858 in granulometry of 1-4mm.	2.65kg/m <sup>2</sup>
<b>SECOND LAYER</b>	
POLAPLAST P20 - Colored polyurethane full-PU material.	2.8kg/m <sup>2</sup>
RECYCLED RUBBER 858 in granulometry of 1-4mm.	2.1kg/m <sup>2</sup>
<b>SURFACE LAYER</b>	
POLAPLAST P20 - Colored polyurethane full-PU surface layer.	2.75kg/m <sup>2</sup>
EPDM 856 in granulometry of 1-3mm.	3.6kg/m <sup>2</sup>

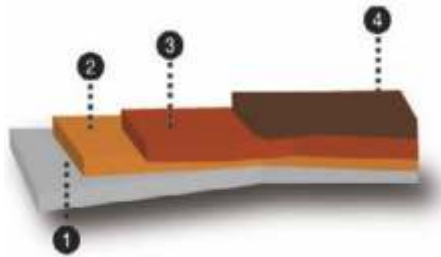
# RUNNING TRACKS

## POLTRACK SPRAYCOAT ACRYLIC

Innovative, new, synthetic outdoor economical system with a shock-pad for running tracks or as outdoor system for refreshing old courts. It is applied on fine asphalt or smooth, or waterproof concrete without rising humidity issues, with first wet-pour base layer mixture, mixed at site, which consists of **RECYCLED RUBBER 858** in granulometry of 0.5-2.5mm and the polyurethane binder **POLAPLAST P13**, and the second layer (sealing layer) the acrylic pore filler **ELASTOTURF NEUTRO** on top of the cushion mixture or even directly on old, clean acrylic surfaces. The final layer (surface layer) is the mixture of highly pigmented 100% acrylic **ELASTOTURF TRACK** with colored **EPDM** rubber in fine granulometry.

It is designed for use on new asphalt or over existing colored surfaces. Ideal solution for making old track surfaces look good as new or make a new track altogether.

Priming with **POLAPLAST P10** precedes the application.



### Steps:

- 1. POLAPLAST P10 - Polyurethane primer.**  
Applied by airless sprayer or brush.
- 2. Mixture of POLAPLAST P13, RECYCLED RUBBER 858.**  
Applied by paving machine.
- 3. ELASTOTURF NEUTRO- Acrylic pore filler.**  
Applied by squeegee.
- 4. Mixture of ELASTOTURF TRACK and EPDM granules.**  
It is applied by paving machine or squeegee in two or three layers.

Description	Consumption
POLAPLAST P10 - Polyurethane primer.	0.15-0.2kg/m <sup>2</sup>
<b>BASE LAYER</b>	
POLAPLAST P13 - One-component, polyurethane binder.	1.2kg/m <sup>2</sup>
RECYCLED RUBBER 858 in granulometry of 0.5-2.5mm.	6kg/m <sup>2</sup>
<b>SEALING LAYER</b>	
ELASTOTURF NEUTRO - Acrylic pore filler.	1.3-2.5kg/m <sup>2</sup>
<b>TOP LAYER</b>	
ELASTOTURF TRACK - 100% modified acrylic.	1kg/m <sup>2</sup> in 2 layers for 2mm 1.5kg/m <sup>2</sup> in 3 layers for 3mm
EPDM 856 in granulometry of 0.5-1.5mm.	0.9kg/m <sup>2</sup>

# JOGGING TRACKS

## POLTRACK JOGGING TRACK

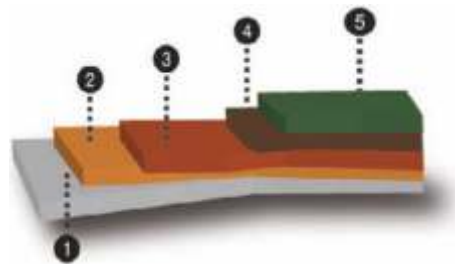
Elastic, seamless, flexible coloured flooring, ideal for jogging tracks.

It consists of a shock-pad base of 2 layers, first layer is a base layer of **SBR** granules (granulometry 2-5mm or 3-5mm) and second layer a base of flexible, colored **EPDM** granules(0.5-1.5mm). Then follows a PU flexible pore filler coating, **POLYSPORT STUCCO 1050**, in 2 layers and a sealing PU, UV-resistant aliphatic top layer, **POLYSPORT 1052**, in two crossing layers.

**Certified system by LABOSPORT Institute.**

### Steps:

- 1. PU PRIMER 870 - Polyurethane primer.**  
Applied by airless sprayer or brush.
- 2. Mixture of PU BINDER 1118 and RECYCLED RUBBER 858** (in granulometry of 2-5mm or 3-5mm) applied by paving machine.
- 3. Mixture of PU BINDER 1118 and EPDM 856** (in granulometry of 0.5-1.5mm) applied by paving machine.
- 4. POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.**  
Used for sealing porous prefabricated subfloor of sports floorings such as **ISOPOL 854** or wet-pour cushion shock-pads. Applied by flat trowel.
- 5. POLYSPORT 1052 - UV-resistant, polyurethane, two-component, top coating for outdoor sports floorings.**  
Applied, in two crossing layers by airless sprayer or a short haired mohair roller.



Description	Consumption
PU PRIMER 870 - Polyurethane primer.	0.2kg/m <sup>2</sup> for 2 layers
<b>BASE LAYER</b>	
PU BINDER 1118 - Polyurethane binder.	1.3kg/m <sup>2</sup> for 13mm mixture
RECYCLED RUBBER 858 in granulometry of 2-5mm or 3-5mm.	7.8kg/m <sup>2</sup> for 13mm mixture
<b>TOP LAYER</b>	
PU BINDER 1118 - Polyurethane binder.	1kg/m <sup>2</sup> for 5mm mixture
EPDM 856 in granulometry of 0.5-1.5mm.	5kg/m <sup>2</sup> for 5mm mixture
<b>SEALING LAYER</b>	
POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.	1.5kg/m <sup>2</sup> for 2 layers
<b>TOP COATING</b>	
POLYSPORT 1052 - UV-resistant, polyurethane, two-component, top coating for outdoor sports floorings.	0.3kg/m <sup>2</sup> for 2 layers

# JOGGING TRACKS

## POLTRACK PU JOGGING TRACK

Elastic, seamless, flexible colored flooring, ideal for jogging tracks.

It consists of a shock-pad base of **RECYCLED RUBBER 858** (granulometry 0.5-2mm) with **PU BINDER 1118**. Then follows a PU flexible pore filler coating, **POLYSPORT STUCCO 1050**, in 2 layers and then the PU self-leveling system, **POLYSPORT PU 1051**. Finally a sealing PU, UV-resistant aliphatic top layer, **POLYSPORT 1056**, is applied in two crossing layers.

The success in the application depends on the right preparation of the underlay and use of the material.



### Steps:

#### 1. **PU PRIMER 870 - Special, polyurethane primer.**

Applied by airless sprayer or brush on asphalt surfaces or on waterproof concrete surfaces without rising humidity issues.

#### 2. **Mixture of PU BINDER 1118 and RECYCLED RUBBER 858 - Elastic, shock-absorbent, wet-pour system.**

The **RECYCLED RUBBER 858** is in granulometry of 0.5-2mm. The mixture is applied by paving machine in thickness of 16mm.

#### 3. **POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.**

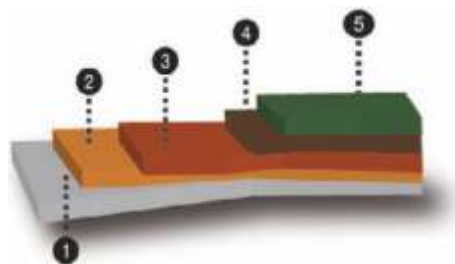
Used for sealing porous wet-pour shock-pad sub-floors of sports floorings systems. Applied by flat trowel.

#### 4. **POLYSPORT PU 1051 - Polyurethane, self-leveling, two-component coat for outdoor sports surfaces.**

It is combined with wet-pour, shock-absorbent, resilient rubber cushion as substrate to create multipurpose sports flooring systems. Pore filling with **POLYSPORT STUCCO 1050** precedes its application. Applied by V-notch trowel and the parallel use of spiked roller.

#### 5. **POLYSPORT 1056 - UV-resistant, polyurethane, aliphatic, two-component top coating for outdoor sports floorings.**

Applied, in two crossing layers by airless sprayer or short haired mohair roller.



Description	Consumption
PU PRIMER 870 - Special, polyurethane primer.	0.2-0.3kg/m <sup>2</sup> for 2 layers
PU BINDER 1118 - Polyurethane binder.	1.2kg/m <sup>2</sup> for 10mm mixture
RECYCLED RUBBER 858 - SBR granules in granulometry of 0.5-2mm.	6kg/m <sup>2</sup> for 10mm mixture
POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.	1.3-1.5kg/m <sup>2</sup> for 2 layers
POLYSPORT PU 1051 - Polyurethane, self-leveling, two-component coat for outdoor sports surfaces.	2-2.2kg/m <sup>2</sup> for 1 layer
POLYSPORT 1056 - UV-resistant, polyurethane, two-component, top coating for outdoor sports floorings.	0.3kg/m <sup>2</sup> for 2 layers



# JOGGING TRACKS

## POLTRACK JOGGING TRACK - SBR

Elastic, seamless, flexible colored flooring, ideal for jogging tracks.

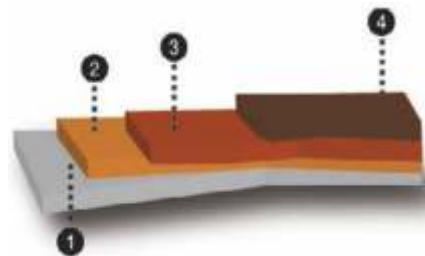
It consists of a shock-pad base of **RECYCLED RUBBER 858** (granulometry 0.5-2mm) with **PU BINDER 1118**. Then follows a PU flexible pore filler coating **POLYSPORT STUCCO 1050** in 2 layers and a sealing PU, UV-resistant aliphatic top layer, **POLYSPORT 1052**, in two crossing layers.

The success in the application depends on the right preparation of the underlay and use of the material.



### Steps:

- 1. PU PRIMER 870 - Polyurethane primer.**  
Applied by airless sprayer or brush.
- 2. Mixture of PU BINDER 1118 and RECYCLED RUBBER 858** (in granulometry of 0.5-2mm) applied by paving machine.
- 3. POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.**  
Used for sealing porous prefabricated subfloor of sports floorings such as **ISOPOL 854** or wet-pour cushion shock-pads. Applied by flat trowel.
- 4. POLYSPORT 1052 - UV-resistant, polyurethane, two-component, top coating for outdoor sports floorings.**  
Applied, in two crossing layers by airless sprayer or a short haired mohair roller.



Description	Consumption
PU PRIMER 870 - Polyurethane primer.	0.2kg/m <sup>2</sup> for 2 layers
<b>BASE LAYER</b>	
PU BINDER 1118 - Polyurethane binder.	1.6kg/m <sup>2</sup> for 16mm mixture
RECYCLED RUBBER 858 in granulometry of 2-5mm or 3-5mm.	10.4kg/m <sup>2</sup> for 16mm mixture
<b>SEALING LAYER</b>	
POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.	1.5kg/m <sup>2</sup> for 2 layers
<b>TOP COATING</b>	
POLYSPORT 1052 - UV-resistant, polyurethane, two-component, top coating for outdoor sports floorings.	0.3kg/m <sup>2</sup> for 2 layers

# JOGGING TRACKS

## POLTRACK JOGGING TRACK - SHOCK-PAD - EPDM

Elastic, seamless, flexible colored flooring, ideal for jogging tracks.

It consists of a shock-pad base of 2 layers, first layer is a base layer of prefabricated, shock-pad roll and second layer a base of flexible, colored **EPDM** granules (0.5-1.5mm). Then follows a PU flexible pore filler coating, **POLYSPORT STUCCO 1050**, in 2 layers and a sealing PU, UV-resistant, aliphatic top layer, **POLYSPORT 1052**, in two crossing layers.

The success in the application depends on the right preparation of the underlay and use of the material.

### Steps:

#### 1. **PU FLEX 140 - Special, polyurethane adhesive.**

Used for the application of **ISOPOL 854** shock-pads or other prefabricated shock-absorbent rolls made from recycled rubber or **EPDM granules**. Applied by V-notch trowel.

#### 2. **ISOPOL 854 - Shock-pad in rolls.**

Elastic, prefabricated shock-pad made of recycled rubber providing shock-absorbency. Used as cushion substrate before the application of polyurethane or acrylic systems.

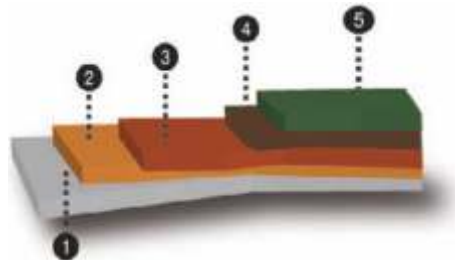
#### 3. **Mixture of PU BINDER 1118 and EPDM 856** (in granulometry of 0.5-1.5mm) applied by paving machine.

#### 4. **POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.**

Used for sealing porous prefabricated subfloor of sports floorings such as **ISOPOL 854** or wet-pour cushion shock-pads. Applied by flat trowel.

#### 5. **POLYSPORT 1052 - UV-resistant, polyurethane, aliphatic, two-component top coating for outdoor sports floorings.**

Applied, in two crossing layers by airless sprayer or a short haired mohair roller.



Description	Consumption
PU FLEX 140 - Special, polyurethane adhesive.	1kg/m <sup>2</sup> for 1 layer
<b>BASE LAYER</b>	
ISOPOL 854 - Shock-pads in rolls.	
<b>TOP LAYER</b>	
PU BINDER 1118 - Polyurethane binder.	1.2kg/m <sup>2</sup>
EPDM 856 in granulometry of 0.5-1.5mm.	6kg/m <sup>2</sup>
<b>SEALING LAYER</b>	
POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.	1.3-1.5kg/m <sup>2</sup> for 2 layers
<b>TOP COATING</b>	
POLYSPORT 1052 - UV-resistant, polyurethane, two-component, top coating for outdoor sports floorings.	0.3kg/m <sup>2</sup> for 2 layers

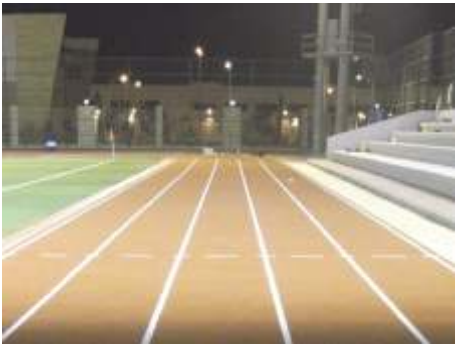
# JOGGING TRACKS

## POLTRACK JOGGING TRACK - SHOCK-PAD - ISOPOL

Elastic, seamless, flexible colored flooring, ideal for jogging tracks.

It consists of a prefabricated shock-pad roll, a PU flexible pore filler coating, **POLYSPORT STUCCO 1050**, and of a sealing PU, UV-resistant aliphatic top layer, **POLYSPORT 1052**, in two crossing layers.

The success in the application depends on the right preparation of the underlay and use of the material.



### Steps:

**1. PU FLEX - Special, polyurethane adhesive.**

Used for the application of **ISOPOL 854** shock-pads or other prefabricated shock-absorbent rolls made from recycled rubber or EPDM. Applied by V-notch trowel.

**2. ISOPOL 854 - Shock-pad in rolls.**

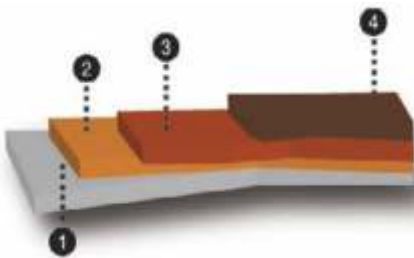
Elastic, prefabricated shock-pad made of recycled rubber providing shock-absorbency. Used as cushion substrate before the application of polyurethane or acrylic systems.

**3. POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.**

Used for sealing porous prefabricated subfloor of sports floorings such as **ISOPOL 854** or wet-pour cushion shock-pads. Applied by flat trowel.

**4. POLYSPORT 1052 - UV-resistant, polyurethane, aliphatic, two-component top coating for outdoor sports floorings.**

Applied, in two crossing layers by airless sprayer or a short haired mohair roller.



Description	Consumption
PU FLEX 140 - Special, polyurethane adhesive.	1kg/m <sup>2</sup> for 1 layer
<b>BASE LAYER</b>	
ISOPOL 854 - Shock-pads in rolls.	
<b>SEALING LAYER</b>	
POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler.	0.8kg/m <sup>2</sup> for 2 layers
<b>TOP COATING</b>	
POLYSPORT 1052 - UV-resistant, polyurethane, two-component, top coating for outdoor sports floorings.	0.3kg/m <sup>2</sup> for 2 layers

# INDOOR SPORTS FLOORING

## POLYFLEX PU-IN

Indoor highly resilient sports flooring system ideal for multipurpose halls, gym floors, tennis, basketball, volleyball, handball, futsal courts, as well as any other indoor sports court.

Combination of prefabricated shock-pads and polyurethane materials in 6mm up to 16mm average total thickness.

**Certified system by LABOSPORT Institute and according to EN 14904.**

### Steps:

**1. PU FLEX 140 - Special, polyurethane, two-component adhesive.**

It is applied, with a V-notch trowel, on dry waterproof surfaces of concrete, without rising humidity issues or asphalt. Used for the application of **ISOPOL 854** shock-pads or other prefabricated shock-absorbent rolls made from recycled rubber or EPDM.

**2. ISOPOL 854 - Shock-pad in rolls.**

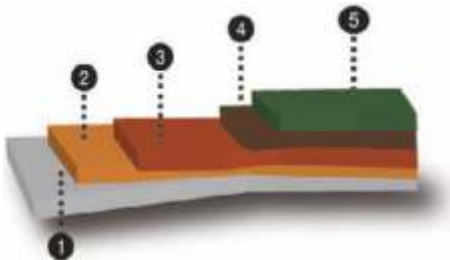
Elastic, prefabricated shock-pad made of recycled rubber providing shock-absorbency, in thickness of 4mm up to 12mm. Used as cushion substrate before the application of polyurethane or acrylic systems.

**3. POLYSPORT STUCCO 950 - Polyurethane, elastic, two-component pore filler.**

Used for sealing porous prefabricated subfloor of sports floorings such as **ISOPOL 854** or wet-pour cushion shock-pads. Applied by flat trowel.

**4. POLYSPORT PU 951 - Polyurethane, self-leveling, two-component coat for indoor sports surfaces.**

It is combined with **ISOPOL 854** as substrate to create multi-purpose shock-absorbent resilient sports flooring systems. Pore filling with **POLYSPORT STUCCO 950** precedes its application. Applied by V-notch trowel and the parallel use of spiked roller.



**5. POLYSPORT 952 - Polyurethane, aliphatic, two-component top coating for indoor sport floorings.**

Applied, in two crossing layers by airless sprayer or short haired mohair roller.

Description	Consumption
PU FLEX 140 - Special, polyurethane, two-component adhesive.	1kg/m <sup>2</sup> for 1 layer
ISOPOL 854 - Shock-pad in rolls.	
POLYSPORT STUCCO 950 - Polyurethane, elastic, two-component pore filler.	0.8kg/m <sup>2</sup> for 2 layers on rolls
POLYSPORT PU 951 - Polyurethane, self-leveling, two-component coat for indoor sports surfaces.	2-2.2kg/m <sup>2</sup> for 1 layer
POLYSPORT 952 - Polyurethane, aliphatic, two-component top coating for indoor sport floorings.	0.3kg/m <sup>2</sup> for 2 layers

# INDOOR SPORTS FLOORING

## WET-POUR POLYFLEX PU-IN

Indoor highly resilient sports flooring system ideal for multipurpose halls, tennis, basketball, volleyball, handball, futsal courts, as well as any other indoor sports court.

Combination of a mixture of **PU BINDER** plus **SBR granules** in granulometry of 0.5-2mm, applied by paver machine in thickness of 6mm up to 14mm and polyurethane elastic top coating system in 2mm thickness.



### Steps:

**1. PU PRIMER 870 - Special, polyurethane primer.**

Applied by airless sprayer or brush on asphalt surfaces or on waterproof concrete surfaces without rising humidity issues.

**2. Mixture of PU BINDER 1118 plus RECYCLED RUBBER 858 - Elastic, shock-absorbent, wet-pour mixture.**

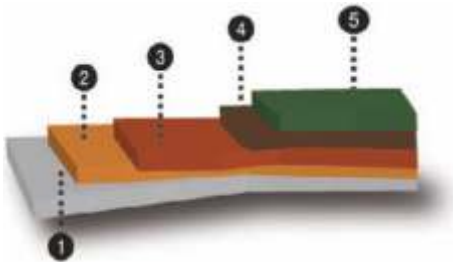
The **RECYCLED RUBBER 858** is in granulometry of 0.5-2mm. The mixture is applied by paving machine in thickness from 6mm up to 12mm or more.

**3. POLYSPORT STUCCO 950 - Polyurethane, elastic, two-component pore filler.**

Used for sealing porous prefabricated subfloor of sports floorings such as **ISOPOL 854** or wet-pour cushion shock-pads. Applied by flat trowel.

**4. POLYSPORT PU 951 - Polyurethane, self-leveling, two-component coat for indoor sports surfaces.**

It is combined with wet-pour, shock-absorbent, resilient rubber cushion as substrate to create multipurpose sports flooring systems. Pore filling with **POLYSPORT STUCCO 950** precedes its application. Applied by V-notch trowel and the parallel use of spiked roller.



**5. POLYSPORT 952 - Polyurethane, aliphatic, two-component top coating for indoor sport floorings.**

Applied, in two crossing layers by airless sprayer or short haired mohair roller.

Description	Consumption
PU PRIMER 870 - Special, polyurethane, primer.	0.2-0.3kg/m <sup>2</sup> for 2 layers
PU BINDER 1118 - Polyurethane binder.	1.2kg/m <sup>2</sup> for 10mm mixture
RECYCLED RUBBER 858 - SBR granules in granulometry of 0.5-2mm.	6kg/m <sup>2</sup> for 10mm mixture
POLYSPORT STUCCO 950 - Polyurethane, elastic, two-component pore filler.	1.5kg/m <sup>2</sup> for 2 layers depending on the SBR granulometry
POLYSPORT PU 951 - Polyurethane, self-leveling, two-component coat for indoor sports surfaces.	2-2.2kg/m <sup>2</sup> for 1 layer
POLYSPORT 952 - Polyurethane, aliphatic, two-component top coating for indoor sport floorings.	0.3kg/m <sup>2</sup> for 2 layers



# INDOOR SPORTS FLOORING

## POLYFLEX AEL-IN

Indoor highly flexible shock-absorbent, acrylic sports flooring system, ideal for multipurpose halls, gym floors, tennis, basketball, volleyball, handball, futsal courts, as well as any other indoor sports court.

Combination of prefabricated shock-pads with top coating in average total thickness of 8-14mm.



### Steps:

**1. PU FLEX 140 - Special, polyurethane, two component, adhesive.**

It is applied, with V-notch trowel, on dry waterproof surfaces of concrete without rising humidity issues or asphalt. Used for the application of **ISOPOL 854** shock-pads or other prefabricated shock-absorbent rolls made from recycled rubber or EPDM.

**2. ISOPOL 854 - Shock-pad in rolls.**

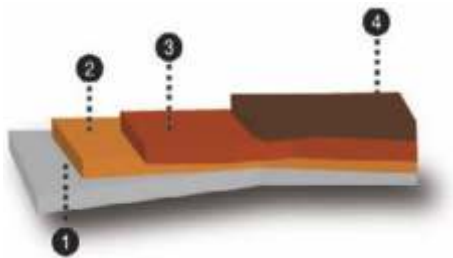
Elastic, prefabricated shock-pad made of recycled rubber providing shock-absorbency, in thickness of 4mm up to 12mm. Used as cushion substrate before the application of polyurethane or acrylic systems.

**3. ELASTOTURF 851S - Acrylic, elastic, smooth, coating for sports floors systems.**

Consists of acrylic resins, powder quartz sand and special improver. It is combined with **ISOPOL 854** as substrate to create multi-purpose sports flooring systems. Highly resistant to adverse weather conditions (snow, frost, heat waves etc.) after drying. Applied by squeegee.

**4. POLYSPORT 952 - Polyurethane, aliphatic, two-component top coating for indoor sport floorings.**

Applied, in two crossing layers by airless sprayer or short haired mohair roller.



Description	Consumption
PU FLEX140 - Special, polyurethane, two-component adhesive.	1kg/m <sup>2</sup> for 1 layer
ISOPOL 854 - Shock-pad in rolls.	
ELASTOTURF 851S - Acrylic, elastic, smooth coating for sports floors systems.	2.2-2.5kg/m <sup>2</sup> for 3 layers
POLYSPORT 952 - Polyurethane, aliphatic, two-component top coating for indoor sport floorings.	0.3kg/m <sup>2</sup> for 2 layers

# INDOOR SPORTS FLOORING

## WET-POUR POLYFLEX AEL-IN

Indoor highly flexible shock-absorbent, acrylic sports flooring system, ideal for multipurpose halls, gym floors, tennis, basketball, volleyball, handball, futsal courts, as well as any other indoor sports court.

Combination of a mixture of **PU BINDER** and **SBR granules**, in granulometry of 0.5-2mm top coating.



### Steps:

**1. PU PRIMER 870 - Special, polyurethane primer.**

Applied by airless sprayer or brush on asphalt surfaces or on waterproof concrete surfaces without rising humidity issues.

**2. SAFEPOL (minimum 6mm) - Elastic, shock-absorbent, wet-pour mixture.**

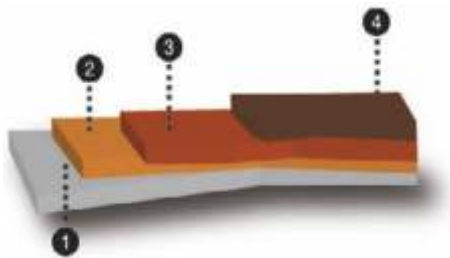
Mixture of **PU BINDER 1118** plus **RECYCLED RUBBER 858** in granulometry of 0.5-2mm. Applied by paver machine in thickness from 6mm up to 14mm or more.

**3. ELASTOTURF 851S - Acrylic, elastic, smooth, coating for sports floors systems.**

Consists of acrylic resins, powder quartz sand and special improver. It is combined with **ISOPOL 854** as substrate to create multi-purpose sports flooring systems. Highly resistant to adverse weather conditions (snow, frost, heat waves etc.) after drying. Applied by squeegee in three layers at least.

**4. POLYSPORT 952 - Polyurethane, aliphatic, two-component top coating for indoor sport floorings.**

Applied, in two crossing layers by airless sprayer or short haired mohair roller.



Description	Consumption
PU PRIMER 870 - Special, polyurethane, primer.	0.2-0.3kg/m <sup>2</sup> for 2 layers
PU BINDER 1118 - Polyurethane binder.	1.2kg/m <sup>2</sup> for 10mm mixture
RECYCLED RUBBER 858 - SBR granules in granulometry of 0.5-2mm.	6kg/m <sup>2</sup> for 10mm mixture
ELASTOTURF 851S - Acrylic, elastic, smooth coating for sports floors systems.	3.5-3.8kg/m <sup>2</sup> for 2 layers
POLYSPORT 952 - Polyurethane, aliphatic, two-component top coating for indoor sport floorings.	0.3kg/m <sup>2</sup> for 2 layers

# PLAYGROUND FLOORING

## SAFEPOL MULTICOLOR

Elastic, safety wet-pour flooring ideal for children playground floorings, applied at site in various thickness from 4cm up to 20cm.

Consists of **RECYCLED RUBBER 858** in granulometry of 1-3mm and **PU BINDER 1118** for the first layer (**SAFEPOL**) and of **EPDM 856** in granulometry of 1-3mm and **PU BINDER 1118** for the upper layer (**SAFEPOL MULTICOLOR**).

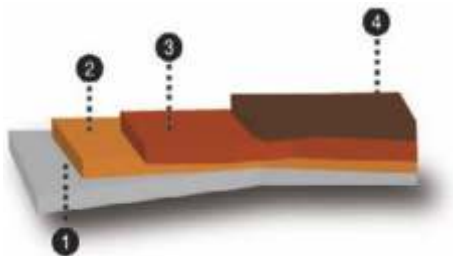
It can create many designs and patterns in a variety of **EPDM** colors. It is applied in thickness of 4cm up to 20cm, even on compacted, clean, dry gravel and on cement or asphalt surfaces. The final top coating over the epdm surface is the UV-resistant, mat, top coating **POLYSPORT XP 1069** in two crossing layers.



**Certified according to EN 1177 & EN 11476-1.**

### Steps:

- 1. PU PRIMER 870 - Special, polyurethane primer.**  
Applied by airless sprayer or brush.
- 2. Mixture of PU BINDER 1118 and RECYCLED RUBBER 858 in granulometry of 1-3mm.**  
Applied by flat metal trowel after spreading and leveling with rake and straightedge. Rolling with cylinder follows for compacting.
- 3. Mixture of PU BINDER 1118 and EPDM 856 in granulometry of 1-3mm.**  
Applied by flat metal trowel after spreading and leveling with rake and straightedge. Rolling with cylinder follows for compacting.
- 4. POLYSPORT XP 1069 - UV-resistant, two-component, universal, mat, top coating for the protection of EPDM granules.**  
Applied in two crossing layers by airless sprayer or short haired mohair roller on the surface in the desired color, as dual protection from UV sunlight and color fading while giving the possibility to create different designs and patterns. Necessary protection for all EPDM colors except basic colors of KDF's colorchart, E3 & E10.



Description	Consumption
PU PRIMER 870 - Special, polyurethane, primer.	0.2-0.3kg/m <sup>2</sup> for 2 layers
PU BINDER 1118 - Polyurethane binder.	1kg/m <sup>2</sup> for 10mm mixture
RECYCLED RUBBER 858 - SBR granules in granulometry of 1-3mm.	6kg/m <sup>2</sup> for 10mm mixture
PU BINDER 1118 - Polyurethane binder.	2kg/m <sup>2</sup> for 10mm mixture
EPDM 856 in granulometry of 1-3mm.	10kg/m <sup>2</sup> for 10mm mixture
POLYSPORT XP 1069 - UV-resistant, two-component, universal, mat, top coating for the protection of EPDM granules.	0.4kg/m <sup>2</sup> for 2 layers

# PLAYGROUND FLOORING

## SAFEPOL MULTICOLOR WITH TPV GRANULES

Elastic, safety wet-pour flooring ideal for children playground floorings, applied at site in various thickness from 4cm up to 20cm.

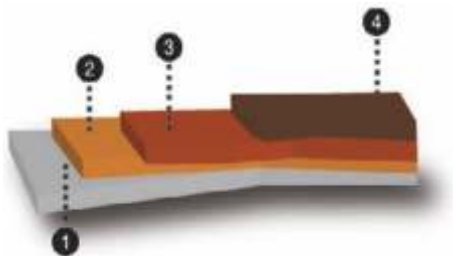
Consists of **RECYCLED RUBBER 858** in granulometry of 1-3mm and **PU BINDER 1118** for the first layer (**SAFEPOL**) and of **KDF TPV** granules in granulometry of 1-3mm or 2-4mm and **PU BINDER 1118** for the upper layer (**SAFEPOL TPV MULTICOLOR**). The final top coating over the TPV surface is the UV-resistant, mat, top coating **POLYSPORT XP 1069** in two crossing layers.

It can create many designs and patterns in a variety of **KDF TPV** colors. It is applied in thickness of 4cm up to 20cm, even on compacted, clean, dry gravel and on cement or asphalt surfaces.



### Steps:

- 1. PU PRIMER 870 - Special, polyurethane primer.**  
Applied by airless sprayer or brush.
- 2. Mixture of PU BINDER 1118 and RECYCLED RUBBER 858 in granulometry of 1-3mm.**  
Applied by flat metal trowel after spreading and leveling with rake and straightedge. Rolling with cylinder follows for compacting.
- 3. Mixture of PU BINDER 1118 and KDF TPV granules in granulometry of 1-3mm or 2-4mm.**  
Applied by flat metal trowel after spreading and leveling with rake and straightedge. Rolling with cylinder follows for compacting.
- 4. POLYSPORT XP 1069 - UV-resistant, two-component, universal, mat, top coating for the protection of EPDM and TPV granules.**  
Applied in two crossing layers by airless sprayer or short haired mohair roller on the surface in the desired color, as dual protection from UV sunlight and color fading while giving the possibility to create different designs and patterns. Necessary protection for all EPDM/TPV colors except basic colors of KDF's colorchart, E3 & E10 and TPV 6 & TPV 9.



Description	Consumption
PU PRIMER 870 - Special, polyurethane, primer.	0.2-0.3kg/m <sup>2</sup> for 2 layers
PU BINDER 1118 - Polyurethane binder.	1kg/m <sup>2</sup> for 10mm mixture
RECYCLED RUBBER 858 - SBR granules in granulometry of 1-3mm.	6kg/m <sup>2</sup> for 10mm mixture
PU BINDER 1118 - Polyurethane binder.	2kg/m <sup>2</sup> for 10mm mixture
KDF TPV granules in granulometry of 1-3mm or 2-4mm.	10kg/m <sup>2</sup> for 10mm mixture
POLYSPORT XP 1069 - UV-resistant, two-component, universal, mat, top coating for the protection of EPDM granules.	0.4kg/m <sup>2</sup> for 2 layers

# PLAYGROUND FLOORING

## SAFEPOL COLORED

Elastic, safety wet-pour flooring ideal for children playgrounds in thickness from 4cm up to 15cm. Can be also used as first wet-pour layer of 6-15mm thickness for volleyball, handball, basketball, football courts and multipurpose courts, with the parallel use of paving machine.

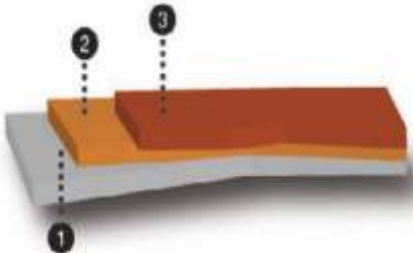
Consists of a mixture of **RECYCLED RUBBER 858** (80% by weight) with colored **PU BINDER 1120** (20% by weight) applied by trowel with the parallel use of a cylinder (10kg). It can create many designs and patterns since the binder is produced in four colors, red, green, yellow and blue, with the parallel use of special UV-resistant paint **POLYSPORT XP 1069** in 2 crossing layers applied with airless sprayer.

The mixture of **RECYCLED RUBBER 858** with colored **PU BINDER 1120** is applied in thickness of 40mm till 150mm and can be colored in all the thickness or alternatively, in the last 10mm minimum top thickness of the system. In both cases, the top coat is the special UV-resistant, mat paint **POLYSPORT XP 1069**.

**Certified system by LABOSPORT Institute.**

### Steps:

- 1. PU PRIMER 870 - Special, polyurethane primer.**  
Applied by airless sprayer or brush.
- 2. Mixture of colored PU BINDER 1120 plus RECYCLED RUBBER 858.**  
PLAYGROUND APPLICATION: Applied by flat metal trowel after spreading and leveling with rake and straightedge. Rolling with cylinder follows for compacting.  
SPORTS FLOORING APPLICATION: Applied by paving machine in total thickness of 10mm.
- 3. POLYSPORT XP 1069 - UV-resistant, two-component, universal, mat, top coating for the protection of EPDM granules.**  
Applied in two crossing layers by airless sprayer or short haired mohair roller on the surface in the desired color, as dual protection from UV sunlight and color fading while giving the possibility to create different designs and patterns. Necessary protection for all EPDM colors except basic colors of KDF's colorchart, E3 & E10.



Description	Consumption
PU PRIMER 870 - Special, polyurethane, primer.	0.2-0.3kg/m <sup>2</sup> for 2 layers
PU BINDER 1120 - Colored, polyurethane binder.	1.2kg/m <sup>2</sup> for 10mm mixture
RECYCLED RUBBER 858 - SBR granules in granulometry of 1-3mm.	6kg/m <sup>2</sup> for 10mm mixture
POLYSPORT XP 1069 - UV-resistant, two-component, universal, mat, top coating for the protection of EPDM granules.	0.4kg/m <sup>2</sup> for 2 layers



# PLAYGROUND FLOORING

## SAFEPOL SANDPROOF

Innovative, elastic, seamless, flexible colored flooring **with sandproof properties**, ideal for school courtyards and playground floorings.

It consists of a cushion base of 2 layers, first layer is a base layer of **RECYCLED RUBBER 858** (granulometry 2-4mm or 2-5mm) with **PU BINDER 1178**, in thickness of 30-110mm and second layer a mixture of **RECYCLED RUBBER 858** (granulometry 0,5-2mm) with **PU BINDER 1178** in thickness of 10mm. Then follows the **modified sealing, sandproof and waterproof KDF-PU 1055 pore filler** with high elasticity in 2 crossing layers and the **modified, KDF-PU 1056, sealing, UV-resistant, aliphatic, elastic, glossy top layer** in 3 crossing layers.



**Certified system by TUV and LABOSPORT Institute.**

### Steps:

**1. PU PRIMER 870 - Special, polyurethane primer.**

Applied by brush or airless sprayer on asphalt surfaces or on waterproof concrete surfaces without rising humidity issues.

**2. Mixture of PU BINDER 1178 and RECYCLED RUBBER 858 in granulometry of 2-4mm or 2-5mm.**

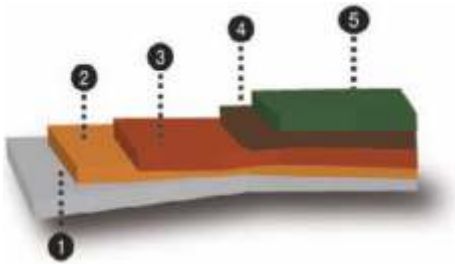
Application with paving machine, in thickness of 30-110mm.

**3. Mixture of PU BINDER 1178 and RECYCLED RUBBER 858 in granulometry of 0.5-2mm.**

Application with paving machine, in thickness of 10mm.

**4. KDF-PU 1055 - Polyurethane, modified, sandproof and waterproof, elastic pore filler.**

Applied by metal trowel to create a completely non porous surface.



**5. KDF-PU 1056 - Polyurethane, modified, UV-resistant, aliphatic, elastic, glossy, two-component top coating.**

Applied, in two crossing layers by airless sprayer or short haired mohair roller.

Description	Consumption
PU PRIMER 870 - Special, polyurethane, primer.	0.2-0.3kg/m <sup>2</sup> for 2 layers
PU BINDER 1178 - Special, polyurethane binder.	1kg/m <sup>2</sup> for 10mm mixture
RECYCLED RUBBER 858 - SBR granules in granulometry of 2-4mm or 2-5mm. (for 10mm mixture)	6kg/m <sup>2</sup> for 10mm mixture
PU BINDER 1178 - Special, polyurethane binder.	1.2kg/m <sup>2</sup> for 10mm mixture
RECYCLED RUBBER 858 - SBR granules in granulometry of 0.5-2mm. (for 10mm mixture)	6kg/m <sup>2</sup> for 10mm mixture
KDF-PU 1055 - Polyurethane, modified, sandproof and waterproof, elastic pore filler.	2kg/m <sup>2</sup> for 2 layers
KDF-PU 1056 - Polyurethane, modified, UV-resistant, aliphatic, elastic, glossy, two-component top coating.	0.3kg/m <sup>2</sup> for 2 layers

# PLAYGROUND FLOORING

## PLAYPREM

Elastic, safety wet-pour flooring ideal for children playground floorings, applied at site in various thickness from 5cm up to 20cm.

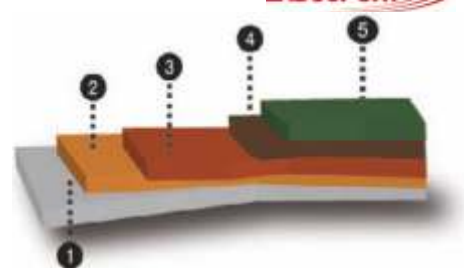
Consists of a first base layer of recycled rubber CHUNKS, in granulometry of 20-30 mm, mixed with **PU BINDER 1118 (SUPER SAFEPOL base layer)**, which follows a second layer of **RECYCLED RUBBER 858** in granulometry of 1-3mm mixed with **PU BINDER 1118 (SAFEPOL layer)**. Then a third layer is applied on top, consisting of **EPDM 856** granules (granulometry of 1-3mm) mixed with **PU BINDER 1118, (SAFEPOL MULTICOLOR layer)**. The final top coating over the epdm surface is the UV-resistant, mat, top coating **POLYSPORT XP 1069** in two crossing layers.

**PLAYPREM** can create many designs and patterns in a variety of colors. It is applied in thickness of 5cm up to 20cm, even on compacted, clean, dry gravel and on cement or asphalt surfaces.

**Certified system by Labosport Institute.**

**Steps:**

- 1. PU PRIMER 870 - Special, polyurethane primer.**  
Applied by airless sprayer or brush.
- 2. Mixture of PU BINDER 1118 and recycle rubber CHUNK in granulometry of 20-30mm.**
- 3. Mixture of PU BINDER 1118 and RECYCLED RUBBER 858 in granulometry of 1-3mm.**
- 4. Mixture of PU BINDER 1118 and EPDM 856 granules in granulometry of 1-3mm.**



- 5. POLYSPORT XP 1069 - UV-resistant, two-component, universal, mat, top coating for the protection of EPDM granules.**

Applied in two crossing layers by airless sprayer or short haired mohair roller on the surface in the desired color, as dual protection from UV sunlight and color fading while giving the possibility to crate different designs and patterns. Necessary protection for all EPDM colors except basic colors of KDF's colorchart, E3 & E10.

Description	Consumption
PU PRIMER 870 - Special, polyurethane, primer.	0.2-0.3kg/m <sup>2</sup> for 2 layers
PU BINDER 1118 - Polyurethane binder.	1kg/m <sup>2</sup> for 10mm mixture
RECYCLED RUBBER CHUNK - SBR granules in granulometry of 20-30mm.	5kg/m <sup>2</sup> for 10mm mixture
PU BINDER 1118 - Polyurethane binder.	1kg/m <sup>2</sup> for 10mm mixture
RECYCLED RUBBER 858 - SBR granules in granulometry of 1-3mm.	6kg/m <sup>2</sup> for 10mm mixture
PU BINDER 1118 - Polyurethane binder.	2kg/m <sup>2</sup> for 10mm mixture
EPDM 856 - EPDM granules in granulometry of 1-3mm.	10kg/m <sup>2</sup> for 10mm mixture
POLYSPORT XP 1069 - UV-resistant, two-component, universal, mat, top coating for the protection of EPDM granules.	0.4kg/m <sup>2</sup> for 2 layers

# PLAYGROUND FLOORING

## QUICKLAWN SAFEPOL

Elastic, safety flooring ideal for children playground floorings, applied at site in various thickness from 30mm up to 120mm.

Consists of a prefabricated special safety pad for playground flooring, **RAPIDFOAM 868**, followed by a layer of **PU PRIMER 870** with a polyester net and on top a mixture in 15mm thickness of **EPDM 856** (in granulometry of 1-3mm) with **PU BINDER 1118** (upper layer). The final top coating over the epdm surface is the UV-resistant, mat, top coating **POLYSPORT XP 1069** in two crossing layers.

It can create many designs and patterns in a variety of **EPDM** colors. It is applied in thickness of 30mm up to 120mm, even on compacted, clean, dry gravel and on cement or asphalt surfaces.

### Steps:

1. **RAPIDFOAM 868 - Prefabricated special safety pad for playground floorings.**

2. **PU PRIMER 870 - Special, polyurethane primer with the parallel use of a polyester net.**

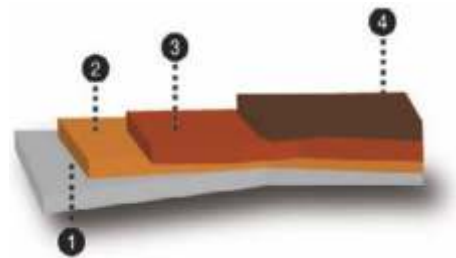
Applied by airless sprayer or brush.

3. **Mixture of PU BINDER 1118 and EPDM 856 in granulometry of 1-3mm in 15mm thickness.**

Applied by flat metal trowel after spreading and leveling with rake and straightedge. Rolling with cylinder follows for compacting.

4. **POLYSPORT XP 1069 - UV-resistant, two-component, universal, mat, top coating for the protection of EPDM granules.**

Applied in two crossing layers by airless sprayer or short haired mohair roller on the surface in the desired color, as dual protection from UV sunlight and color fading while giving the possibility to create different designs and patterns. Necessary protection for all EPDM colors except basic colors of KDF's colorchart, E3 & E10.



Description	Consumption
RAPIDFOAM 868 - Prefabricated special safety pad for playground floorings.	
PU PRIMER 870 - Special, polyurethane primer.	0.2-0.3kg/m <sup>2</sup> for 2 layers
POLYESTER NET	
PU BINDER 1118 - Polyurethane binder (for 15mm mixture).	3kg/m <sup>2</sup> for 10mm mixture
EPDM 856 - EPDM granules in granulometry of 1-3mm (for 15mm mixture).	15kg/m <sup>2</sup> for 10mm mixture
POLYSPORT XP 1069 - UV-resistant, two-component, universal, mat, top coating for the protection of EPDM granules.	0.4kg/m <sup>2</sup> for 2 layers

# PLAYGROUND FLOORING

## QUICKLAWN SAFEPOL SANDPROOF-SBR

Innovative, elastic, seamless, flexible colored flooring, ideal for playground floorings with sandproof properties.

It consists of a cushion base, with a first layer of a prefabricated, special, safety pad for playground flooring, **RAPIDFOAM 868**, followed by a layer of **PU PRIMER 870** with polyester net, and third layer a mixture of SBR granules (granulometry 0.5-2mm) with **PU BINDER 1178** in thickness of 15mm. Then follows the modified sealing, sandproof and waterproof, **KDF-PU 1055**, pore filler with high elasticity in 2 crossing layers and the modified, **KDF-PU 1056**, sealing, UV-resistant, aliphatic, elastic, glossy top layer in 3 crossing layers.

It provides an excellent safety flooring with a very quick application in a variety of colors with closed pores. A playground flooring that is easy to be cleaned and maintained.



### Steps:

1. **RAPIDFOAM 868 - Prefabricated special safety pad for playground floorings.**

2. **PU PRIMER 870 - Special, polyurethane primer with a polyester net.**

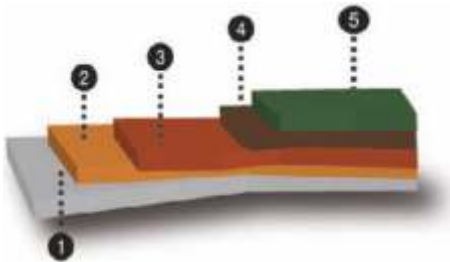
Applied by airless sprayer or brush.

3. **Mixture of PU BINDER 1178 and RECYCLED RUBBER 858 in granulometry of 0.5-2mm.**

Applied by flat metal trowel after spreading and leveling with rake and straightedge. Rolling with cylinder follows for compacting.

4. **KDF-PU 1055 - Polyurethane, modified, sandproof and waterproof, elastic pore filler.**

Applied by flat trowel to create a completely non porous surface.



5. **KDF-PU 1056 - Polyurethane, modified, UV-resistant, aliphatic, elastic, glossy, two-component top coating.**

Applied, in two crossing layers by airless sprayer or short haired mohair roller.

Description	Consumption
RAPIDFOAM 868 - Prefabricated special safety pad for playground floorings.	
PU PRIMER 870 - Special, polyurethane primer.	0.2-0.3kg/m <sup>2</sup> for 2 layers
POLYESTER NET	
PU BINDER 1178 - Special, polyurethane binder.	1.8kg/m <sup>2</sup> for 15mm mixture
RECYCLED RUBBER 858 - SBR granules in granulometry of 0.5-2mm.	9kg/m <sup>2</sup> for 15mm mixture
KDF-PU 1055 - Polyurethane, modified, sandproof and waterproof, elastic pore filler.	2kg/m <sup>2</sup> for 2 layers
KDF-PU 1056 - Polyurethane, modified, UV-resistant, aliphatic, elastic, glossy, two-component top coating.	0.3kg/m <sup>2</sup> for 2 layers

# PLAYGROUND FLOORING

## QUICKLAWN SAFEPOL SANDPROOF-EPDM

Innovative, elastic, seamless, flexible colored flooring, ideal for playground floorings.

It consists of a cushion base, with a first layer of a prefabricated, special, safety pad for playground flooring, **RAPIDFOAM 868**, followed by two layers of **PU PRIMER 870** with polyester net, and third layer a mixture of **EPDM** granules (granulometry 0.5-1.5mm) with **PU BINDER 1178** in thickness of 15mm.

Then follows the modified sealing, sandproof and waterproof pore filler, **KDF-PU 1055**, with high elasticity in 2 crossing layers and the modified, sealing, UV-resistant, aliphatic, elastic, glossy top layer, **KDF-PU 1056**, in 3 crossing layers.

It provides an excellent safety flooring with a very quick application in a variety of colors creating a closed porous surface. This kind of playground flooring is very easy to be cleaned and maintained.



### Steps:

1. **RAPIDFOAM 868** - Prefabricated special safety pad for playground floorings.

2. **PU PRIMER 870** - Special, polyurethane primer with a polyester net.

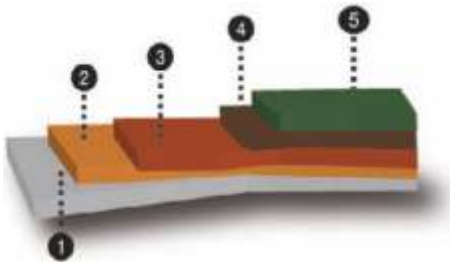
Applied by airless sprayer or brush.

3. **Mixture of PU BINDER 1178 and EPDM 856** in granulometry of 0.5-1.5mm.

Applied by flat metal trowel after spreading and leveling with rake and straightedge. Rolling with cylinder follows for compacting.

4. **KDF-PU 1055** - Polyurethane, modified, sandproof and waterproof, elastic pore filler.

Applied by flat trowel to create a completely non porous surface.



5. **KDF-PU 1056** - Polyurethane, modified, UV-resistant, aliphatic, elastic, glossy, two-component top coating.

Applied, in two crossing layers by airless sprayer or short haired mohair roller.

Description	Consumption
RAPIDFOAM 868 - Prefabricated special safety pad for playground floorings.	
PU PRIMER 870 - Special, polyurethane primer.	0.2-0.3kg/m <sup>2</sup> for 2 layers
POLYESTER NET	
PU BINDER 1178 - Special, polyurethane binder.	3kg/m <sup>2</sup> for 15mm mixture
EPDM 856 - EPDM granules in granulometry of 0.5-1.5mm.	15kg/m <sup>2</sup> for 15mm mixture
KDF-PU 1055 - Polyurethane, modified, sandproof and waterproof, elastic pore filler.	2kg/m <sup>2</sup> for 2 layers
KDF-PU 1056 - Polyurethane, modified, UV-resistant, aliphatic, elastic, glossy, two-component top coating.	0.3kg/m <sup>2</sup> for 2 layers



# SAFETY TILES

## KDF FLEXIBLE TWIN TILES

Elastic, interlocking, rubber mats made by European SBR granules, polyurethane binders and additives plus pigments.

The rubber mat is black on the base in thickness from 15 up to 40 mm and then 10 mm coloured SBR granules with pigments. Available in 4 colors red, green, blue and grey and in thickness of 25, 30, 40 and 50 mm and upon request.

They possess great mechanical strength and anti-slip properties, ideal for a wide range of outdoor uses, playgrounds, kindergartens, schoolyards, surrounding areas of swimming pools and many more.

UV-resistant top coatings are suggested for colour stability.



## KDF FLEXIBLE COLORED TILES

Elastic, interlocking, rubber mats made by fully colored European SBR granules, polyurethane binders and additives plus pigments.

They possess great mechanical strength and anti-slip properties, ideal for a wide range of outdoor uses, playgrounds, kindergartens, schoolyards, surrounding areas of swimming pools and many more.

Available in 5 colors red, green, blue, yellow and grey and in thickness of 25, 30, 40 and 50mm and upon request.

UV-resistant top coatings are suggested for colour stability.



## KDF FLEXIBLE EPDM TILES

Elastic, interlocking, rubber mats made by **European SBR granules**, polyurethane binders and additives **plus EPDM granules** on the top layer.

**FLEXIBLE EPDM** tiles combine safety and strength with a superior appearance.

It is black on the base in thickness from 15 up to 50 mm and then 10 mm EPDM granules mixed with PU Binder.

Available in 16 colors and in thickness of 25, 30, 40 and 50 mm and upon request.

Ideal for playgrounds, kindergarten, schoolyards, surrounding areas of swimming pools and many more.

UV-resistant top coatings are suggested for colour stability.



# SAFETY TILES

## KDF FLEXTILE EPDM SPECKLED RUBBER SHEET TILES

Elastic, interlocking, rubber mats made by **European SBR granules**, polyurethane binders and additives **plus EPDM**.

It is black on the base in thickness from 15 up to 40 mm and then top is a 3mm rubber sheet with EPDM speckles. a mixture of SBR and EPDM granules mixed with PU Binder.

Available in 4 colors, red, green, blue and grey.

Ideal for gym floors, walkways, kindergartens, offices, shopping malls, exhibitions.

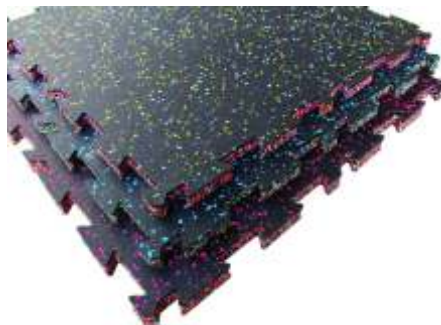


## KDF FLEXTILE WITH PREFABRICATED FOAM TILES

Elastic, interlocking, rubber mats combination of a colored foam shock-pad for the base and shock-pad roll with SBR and EPDM granules for the top.

PU UV resistant top coatings are suggested for long-term colour stability.

Ideal for gym floors, offices, schools, kindergartens, recreation centers, exhibitions.



## POLTRACK EQUINE FLOORING WITH TILES

Rubber tiles, made of polyurethane bound rubber granules, in thickness of 25 up to 60 mm or different and in multiple dimensions mainly of 1mx1m, but also others.

Ideal for horse stables, walkways, paddock, stall, round pen, wash rack. They are applied on bound sub ground such as asphalt, cement etc., with slope of min. 3%. They are water-permeable, liquids are able to drain through the hundreds of canal in the mat, non-slip, providing minimized injury risk. The tiles are installed loose in stalls, the weight of the mats and the walls will hold the mats in place.



# UV-RESISTANT TOP COATINGS

## POLYSPORT 1052

UV-resistant, polyurethane, two component, universal mat coating. Economical covering of outdoor sports floorings. Ideal for tennis, basketball, volleyball, handball, football and multipurpose sports courts.

Applied on prefabricated shock-pads, or on wet-pour rubber cushion surfaces applied at site (mixture of SBR rubber plus PU BINDER).

Also ideal for coating playground surfaces made by colored binder and SBR granules, certified according to EN 1177 for playground floorings in thickness of 40mm up to 150mm.

Perfect for refreshing old faded EPDM playground floorings and EPDM rubber safety tiles or colored SBR rubber tiles to create a new colored top surface with high UV resistance.

Consumption: 0,3 kg/m<sup>2</sup>



## POLYSPORT XP 1069

**POLYSPORT XP 1069** is a two-component, mat finish coating created for the UV protection of playground floorings, made from EPDM or TPV granules as wet pour floorings or rubber tiles.

It is applied as a final, protective layer **on top of playground floorings made from EPDM granules plus PU binder or also on recycled rubber tiles or EPDM tiles to maintain their colour.**

It doesn't change the EPDM structure or alter its appearance if applied properly by airless sprayer or even by simple rollers.

It is UV-resistant and thus absolutely suitable for outdoor playground rubber surfaces.

Ideal for renewing and refreshing old EPDM or rubber surfaces.

Consumption: 0,4 kg/m<sup>2</sup>



# SHOCK ABSORBENT SUBFLOOR

## ISOPOL 854

Elastic, prefabricated roll made of polyurethane polymers and recycled rubber particles for shock-absorbency, in thickness 3-14mm.

It has excellent shock absorbent and noise reduction properties plus excellent non slip performance and fire resistance.

It can be used as a flexible sub-floor for indoor and outdoor sports floorings.



## ISOPOL SBR-EPDM 855

Elastic, prefabricated roll made of polyurethane polymers and recycled rubber particles with **20% EPDM** rubber granules in thickness of 3-15 mm.

It has excellent shock absorbent properties and offers noise abatement and has also excellent performance in slip resistance and fire behavior.

It is used mainly as a decorative, sport elastic flooring for indoor and outdoor courts and for gyms.



## ISOPOL EPDM 856

Elastic, prefabricated roll made of polyurethane polymers and **100% EPDM** rubber granules in thickness of 4-12 mm.

It has excellent shock absorbent properties and offers noise abatement and has also excellent performance in slip resistance and fire behavior.

It is used mainly as a decorative, sport elastic flooring for indoor and outdoor courts and for gyms.



# EQUINE FLOORINGS

## POLTRACK EQUINE FLOORING

Synthetic, outdoor equine system in total thickness of 15mm up to 50 mm for horse stalls, barns, paddocks etc.

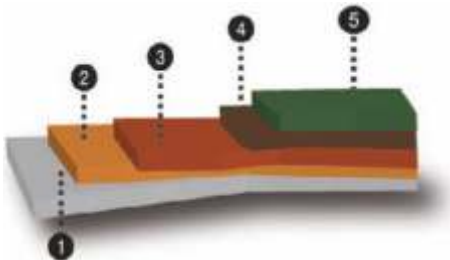
It consists of a first cushion layer (base layer) in thickness of 13-18mm usually, a mixture of **RECYCLED RUBBER 858** in different granulometries of 2-4mm, 0.8-2.5mm and SBR dust and the polyurethane binder **POLAPLAST P13**, mixed and applied at site, and the second layer (sealing layer) of polyurethane semi-flexibl, pore-sealing material **POLAPLAST P24** on top of the cushion mixture. Then follows the third layer (surface layer) with the full-PU colored polyurethane self-leveling, semi-elastic **POLAPLAST P25** and finally the top coating, the UV-resistant polyurethane aliphatic coating **POLYSPORT 1053** in two layers. Priming with **POLAPLAST P10** precedes the application.

For anti-slip surface, after the application of the full-PU colored polyurethane self-leveling material **POLAPLAST P24** follows a broadcasting of quartz sand 0.1-0.4mm (3-4kg/m<sup>2</sup>). Then the surface is coated with the UV-resistant polyurethane aliphatic top coating **POLYSPORT 1053**.

**Certified system by KIWA-ISA Sport Institute.**

### Steps:

1. **POLAPLAST P10** - Special, polyurethane primer. Applied with airless sprayer or brush.
2. **Mixture of POLAPLAST P13 and RECYCLED RUBBER 858** applied with paving machine.
3. **POLAPLAST P24** - Polyurethane sealing layer, with a polyester net. Applied with flat trowel.
4. **POLAPLAST P25** - Full-PU colored polyurethane self-leveling layer. Applied with V-notch trowel.
5. **POLYSPORT 1053** - UV-resistant polyurethane aliphatic top coating. Applied with airless sprayer or short haired mohair roller.



Description	Consumption
POLAPLAST P10 - Special, polyurethane primer.	0.3kg/m <sup>2</sup> for 2 layers
<b>BASE LAYER</b>	
POLAPLAST P13 - Polyurethane binder.	3.1kg/m <sup>2</sup>
RECYCLED RUBBER 858 in granulometry of 2-4mm.	3.6kg/m <sup>2</sup>
RECYCLED RUBBER 858 in granulometry of 0.8-2.5mm.	2.7kg/m <sup>2</sup>
RECYCLED RUBBER 858, SBR dust.	2.7kg/m <sup>2</sup>
<b>SEALING LAYER</b>	
POLAPLAST P24-Polyurethane sealing layer-pore sealer.	1.3kg/m <sup>2</sup> for 2 layers
POLYESTER NET	
<b>SURFACE LAYER</b>	
POLAPLAST P25-COLORED- Semi-elastic Full PU material.	2.3kg/m <sup>2</sup> for 2 layers
<b>TOP COATING</b>	
POLYSPORT 1053 - Top protective PU aliphatic coating.	0.25kg/m <sup>2</sup> for 2 layers



# POLYURETHANE GLUES & TAPES

## PU GRASS 149 FOR ARTIFICIAL GRASS

Special, polyurethane, two-component adhesive. Used for jointing the rolls of synthetic artificial turfs. It is used in parallel with polyester seaming tapes.

**Certified material by ISA SPORT.**



Description	Consumption
PU GRASS 149 - Special, polyurethane adhesive for artificial grass.	200-250kg/m <sup>2</sup> of seaming tape

## PU FLEX 140 FOR PREFABRICATED ROLLS AND SAFETY TILES

Special, polyurethane, two-component adhesive. It is applied on dry, waterproof, smooth concrete surfaces or fine asphalt. Used for the application of **ISOPOL 854** shock-pad or any other prefabricated shock-absorbent roll made of recycled rubber or **EPDM** and also for the application of safety tiles.

Description	Consumption
PU FLEX 140 - Special, polyurethane adhesive for prefabricated rolls and safety tiles.	700-800kg/m <sup>2</sup>

## KDF/PF A17 PVC/VINYL ADHESIVE

Premium adhesive with low consumption. Suitable for PVC/Vinyl homogeneous/heterogeneous, with PVC foam backing, quartz-vinyl tiles, CV coverings, PVC/Vinyl-design coverings, PVC/Vinyl sports floor coverings for area and point elastic constructions.

Description	Consumption
KDF/PF A17 - PVC/Vinyl adhesive.	300kg/m <sup>2</sup>

## KDF/PF A20 LINOLEUM ADHESIVE

Very low emission dispersion-linoleum adhesive and textile linoleum adhesive for all kind of natural linoleum including sports linoleum.

Description	Consumption
KDF/PF A20 - Linoleum adhesive.	400kg/m <sup>2</sup>

# POLYURETHANE GLUES & TAPES

## **KDF/PF A15 CONDUCTIVE CARPET ADHESIVE**

Conductive dispersion-based adhesive for floor covering.

Suitable for PVC/Vinyl, Linoleum, textile and rubber flooring for hospitals, computer rooms etc. to avoid electrical shocks.

No need to use any conductive primer.

Description	Consumption
KDF/PF A15 - Conductive carpet adhesive.	300kg/m <sup>2</sup>

## **KDF/PF A32 UNIVERSAL ADHESIVE**

Universal premium, dispersion-based adhesive for floor coverings for all kind of PVC/Vinyl, linoleum, textile, needle felt punch and rubber flooring(up to 3,5 mm).

Description	Consumption
KDF/PF A32 - Universal adhesive.	300kg/m <sup>2</sup>

## **KDF/PF A065 PARQUET ADHESIVE**

Polyurethane, one-component hybrid glue without Isocyanates for multilayer wood flooring and massive planks according to DIN EN 14293.

Can be applied to almost all sublayers without primers.

Description	Consumption
KDF/PF A065 - Parquet adhesive.	1.4-1.5kg/m <sup>2</sup>

## **SEAMING TAPES**

Polyester seaming tapes for jointing the rolls of synthetic turfs with the parallel use of polyurethane glue **PU GRASS 149**.

# CERTIFICATES



ISO KDF LTD



POLTRACK SPRAYCOAT



POLTRACK SANDWICH



POLYFLEX AEL-EX



FLEXFLOOR-EX



SPORTFLOOR-EX



POLTRACK EQUINE



POLYFLEX PU-BADMINTON



PU GRASS 149

# CERTIFICATES



POLYFLEX PU



POLYFLEX PU - FIBA



SPORTGROUND-EX



JOGGING TRACK



EPDM 856



SAFEPOL



PLAYPREM



SAFEPOL SANDPROOF



## KDF WORLDWIDE OVER 50 COUNTRIES



ALBANIA  
ALGERIA  
BAHRAIN  
BOSNIA-HERZEGOVINA  
BULGARIA  
CAMEROON  
CHINA  
CZECH REPUBLIC  
CROATIA  
CYPRUS  
EGYPT  
ETHIOPIA  
F.Y.R.O.M  
GREECE  
HUNGARY  
INDIA

INDONESIA  
IRAQ  
ITALY  
JORDAN  
KAZAKHSTAN  
KENYA  
KOSOVO  
K.S.A  
KUWAIT  
LEBANON  
LITHUANIA  
MALAYSIA  
MALTA  
MONTENEGRO  
MOROCCO  
NEPAL

NIGERIA  
OMAN  
PAKISTAN  
PHILIPPINES  
QATAR  
ROMANIA  
RUSSIA  
SERBIA  
SINGAPORE  
SLOVENIA  
SPAIN  
TURKEY  
TUNISIA  
U.A.E  
UKRAINE  
VIETNAM



# PROJECTS



# PROJECTS





# SPORTS FLOORINGS

**tennis**

**football**

**handball**

**volleyball**

**basketball**

**playground**

**running tracks**

**jogging tracks**

**bicycle tracks**

**equine floorings**

**multipurpose halls**

**skating & extreme  
sports**

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