

The background of the entire page is a photograph of a blue tennis court with white boundary lines. In the top left corner, the lower leg and foot of a person in a red shirt and black pants are visible. In the bottom right corner, a female tennis player in a black outfit is standing, holding a tennis racket. The KDF logo is centered in the upper half of the image, consisting of a blue rectangle with white text.

KDF

Sports Flooring Systems & Building Materials

SPORTS FLOORING
POLYFLEX SILICON PU WT
WET-POUR SYSTEM

www.kdf.gr

KDF LTD (www.kdf.gr) is one of the most dynamic and export-oriented Greek companies (currently activated in more than 60 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.

VIEW OUR NEW SPORTS CATALOGUE



INDICATIVE REFERENCE LIST OF PROJECTS

-12 SCHOOLS IN U.A.E, MINISTRY OF EDUCATION(THROUGH VARIOUS CONTRACTORS) - 40000m² EPDM Rubber flooring

-AL ESKAN RUNNING TRACK - BURAIDAH, K.S.A -25000m² -Running track, POLTRACK SPRAYCOAT system

-UNIVERSITY OF DAMMAM - KSA - 13000m² - Acrylic cushion floorings

-KING ABDULLAH BASE AIR DEFENSE - TAIF, KSA - 12600 m² - Running track

-KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS-DHARAN, KSA-12400m²-Rubber outdoor flooring

-RUNNING TRACK - K.S.A- 11000 m² - Running track, POLTRACK SANDWICH system

-GEMS SCHOOL - DUBAI, U.A.E - 10000 m² - Running track

-PASARGRAD WHOLESALE MARKET-IRAN - 10000 m² - Decorative flooring

-YAS ISLAND, ABU DHABI, U.A.E - 10000m² Bicycle track

-ANASTASIA KELESIDOU STADIUM - THESSALONIKI, GREECE - 10000m² - Re-ropping project, Running track, Sandwich system

-ABHA STADIUM - K.S.A - 9000m² - POLTRACK SANDWICH system

-ABU DHABI STADIUM - U.A.E - 9000m² - Artificial Grass, POLITURF LEADER 55140

-ALEXANDRIA STADIUM - ALEXANDRIA, EGYPT - 8500 m² - Running track

-MINISTRY OF EDUCATION IN KUWAIT - KUWAIT - 8000m² - Polyurethane flooring, Polyflex Pu-In system

-SALAM STREET & MINA ROAD, ABU DHABI, U.A.E - 8000m² Bicycle track, Sportground-Ex system

-KING FAHAD NAVAL BASE - JUBAIL, KSA - 8000m² - Running track

-MUNICIPALITY OF VELVENTO - KOZANI, GREECE - 8000m², Running track

-PRINCE FAISAL STADIUM IN RIYADH - K.S.A - 8000m², Running track, POLTRACK SANDWICH system

-ABBHA, KSA - 7600m² - Running track

-MUNICIPALITY OF ZENICA - ZENICA, BOSNIA & HERZEGOVINA - 7500m², Poltrack Spraycoat, Running track

-ADNOC SCHOOLS - U.A.E - 7000m² - Safepol system

-ATLAS CENTER-BAM, IRAN - 7000 m² - Decorative flooring

-RUNNING TRACK - SUDAN - 7000 m² - Running track, POLTRACK SPRAYCOAT system

-RUNNING TRACK STADIUM - CRETE, GREECE - 6500 m² - Running track, POLTRACK SANDWICH system

-PLAYGROUND PROJECT - ABU DHABI, U.A.E - 6500 m², Safety flooring

-KAVALA STADIUM - KAVAL, GREECE - 6300m² - 8-lane Running track, POLTRACK SANDWICH SYSTEM

-CORNISH, JEDDAH, K.S.A - 6000m² Bicycle track Sportground-Ex system

-ARTIFICIAL GRASS PROJECT - ATHENS, GREECE - 5700m², Artificial grass

-YOKOGAWA ELECTRIC CORPORATION-DHAHRAN TECHNO VALLEY-DAMMAM, KSA - 5500m²- Epoxy antistatic floorings

-AMITY INTERNATIONAL SCHOOL - ABHU DHABI, U.A.E - 5500m², Poltrack Spraycoat, Running Track

-SHUQAIQ WATER AND ELECTRICITY COMPANY - JIZAN, KSA - 5400 m² - acrylic courts

-TALEEM UPTOWN SCHOOLS - DUBAI, UAE - 5400m²-Acrylic sports courts systems

-SAUDI AIR FORCE - KSA - 5250 m² - Acrylic coating elastoturf, running track

-SHIV NADER SCHOOL - FARIDABAD, INDIA - 5000 m² - Running track, POLTRACK SANDWICH system

-RUNNING TRACK - K.S.A - 5000 m² - Running track, POLTRACK SANDWICH system

-AL HAMRA, RAS AL KHAIMAH, U.A.E - 5000m² Bicycle track, Sportground-Ex system

-AIRBASE IN TAIF - KSA - 5000 m² - Running track

-THAILAND STADIUM - 4800 m² - Running track, POLTRACK SANDWICH system

-DEPARTMENT OF EDUCATION ASIR REGION - KHAMIS, KSA - 4500 m² - Running track

-SERVIA STADIUM - KOZANI, GREECE - 4500m², Running track

-STADIUM OF ISLAMIC CITY OF BAWATH IN AL-AZHAR - EGYPT - 4500m²- Running track, POLTRACK SANDWICH SYSTEM

-COMMUNITY COLLEGE - KHAMIS, KSA - 4200 m² - Running track

-FAYOUM INIVERSITY - EGYPT - 4200m² - Polyurethane sports flooring, POLYFLEX PU System

-MULTIPLE RUNNING TRACKS - ALGERIA - 40000 m² - Running track, POLTRACK SPRAYCOAT system

-SPORTS CLUB CENTER GLIFADA - ATHENS, GREECE - 4000m²- Poltrack Spraycoat, Running Track

-EMIRATES INTERNATIONAL SCHOOL - DUBAI, U.A.E - 4000m² - Safepol System, Playground flooring

-RUNNING TRACK PROJECT IN QATAR - 4000m², Poltrack Spraycoat system

-RUNNING TRACK PROJECT IN SAMOS - GREECE - 4000m², Poltrack Spraycoat system

-HH KHALID BIN BANDAR - RIYADH, KSA - 3800 m² - Volleyball/basketball rubber courts

-SPORTS FLOORING COMPLEX - ISRAEL - 3700 m², Acrylic sports flooring, SPORTFLOOR-EX system

-RUNNING TRACK- UKRAINE - 3600m²- RunningTrack, Poltrack Spraycoat system

-ANATOLIA GOLLEGE - THESSALONIKI, GREECE - 3600m², Running track

-AIMARJAN ASLAND – PARTIAL - 3600m²- Poltrack Sandwich, Running Track

-RUNNING TRACK - ISRAEL - 3500m² - Running track, POLTRACK SANDWICH system

-RUNNING TRACK PROJECT - EGYPT - 3500m² - Running track, POLTRACK SPRAYCOAT system

-BICYCLE TRACK PROJECT - GREECE - 3500m²- Acrylic sports flooring, SPORTGROUND-EX system

-MATRIX SPORTING CLUB - EGYPT - 3400m² - Polyurethane outdoor flooring, Polyflex PU-EX System

-RUNNING TRACK PROJECT - EGYPT - 3400m² - Running track, POLTRACK SPRAYCOAT system

-SPORTS CLUB CENTER KISSAMOS - CRETE, GREECE - 3200m²- Poltrack Sandwich, Running Track

-AL LUSAIL SPORTS CLUB - DOHA, QATAR - 3200m² - Jogging track

-SPORTS CLUB CENTER - SERVIA, GREECE - 3200m² - Poltrack Sandwich, Running Track

-STADIUM CENTER - UKRAINE - 3200m²- RunningTrack, Poltrack Spraycoat system

-KING KHALID UNIVERSITY - ABHA, KSA - 3100 m² - Running track

-ISLAMIC WORLD GARDEN - SHARJA, U.A.E - 3000m²- Safety flooring, SAFEPOL MULTICOLOR system

-AL FAIOUM UNIVERSITY - FAIOUM, EGYPT - 3000m²- Polyurethane indoor flooring, Polyflex PU-IN system

-WADY DEGLA OCTOBER CLUB - CAIRO, EGYPT - 3000m² - Acrylic sports courts

-SPORTS CLUB CENTER “PAPAGOU”- ATHENS, GREECE - 3000m²- Poltrack Sandwich, Running Track

-PANORAMA SPORTS COMPLEX - THESSALONIKI, GREECE - 3000m², Running track

-BENHA SPORTS CITY - EGYPT - 3000m² - Acrylic sports courts

-ISLAMIC WORLD GARDEN - U.A.E - 3000m² - Playground flooring, SAFEPOL MULTICOLOR system

-INDIAN ARMY - SAGAR, INDIA - 2800m²- Acrylic sports courts

-ALL SAINTS SCHOOL - MUMBAI, INDIA - 2700 m² - PU outdoor sports flooring and running track

-INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH-BHOPAL,INDIA-2700m²-Acrylic sports courts

-RESORT IN RED SEA - EGYPT - 2700m²- Acrylic sports courts, FLEXFLOOR-EX system

-OUR OWN GOLF SCHOOL - 2700m²- Poltrack Spraycoat, RunningTrack

-STADIUM STUDENTSKA, SPORTS COMPLEX - BARNÁ, BOULGARIA - 2700m²-Acrylic sports courts, SPORTFLOOR-EX system

-RAKS PALLIKOODAM SCHOOL - INDIA - 2600m²- Acrylic sports courts, FLEXFLOOR-EX system

-DPS GUNTUR SITE, NEW DELHI INDIA - 2600m²- Acrylic sports courts, SPORTFLOOR-EX system

-KURNISH AL KHOBAR - K.S.A - 2500m² - Rubber flooring, COLORFLEX system

-AL RAYAN, QATAR - 2500 m² - Running track, POLTRACK SANDWICH system

-OUTDOOR SPORTS VENUE - VARNA, BULGARIA - 2700 m² - Acrylic, ITF classified, 8 layers system
-ALHOSN SPORTS COMPLEX - 2400 m² - Running track, POLTRACK SANDWICH system
-SPORTS FLOORING PROJECT IN BULGARIA - 2200 m²- Acrylic sports courts, SPORTFLOOR-EX system
-TEACHERS COLLEGE - ABHA, KSA - 2050 m² - Running track
-MUSAB BIN OMAIR BOYS SCHOOL - BIN OMRAN, QATAR - 2050 m² - PU outdoor sport flooring
-BURAIRAT SCHOOL - RAK, UAE - 2000 m² - Running track
-SPORTS CENTRE OF GERAKAS - ATHENS, GREECE - 2000m² - Acrylic sports courts, SPORTFLOOR-EX
-HADAYEK ALAHRAM CLUB - GIZA, EGYPT - 2000m², PU outdoor sports flooring, POLYFLEX PU-EX WET-POUR system
-AL SAILIYA BOYS SCHOOL - AL SAILIYA, QATAR - 2000 m² - Polyurethane, outdoor sport flooring
-KING KHALID UNIVERSITY - ABHA, KSA - 2000 m² - Volleyball/basketball rubber courts
-HH KHALID BIN BANDAR - RIYADH, KSA - 2000 m² - Volleyball/basketball rubber courts
-RAWDA RASHEED PRIMARY SCHOOL FOR BOYS - 2000 m²
-DAMIETTA GOVERNMENT - EGYPT - 2000m² - Running track, Poltrack Spraycoat Sealed System
-AL WAKAIR BOYS SCHOOL - AL WAKRAH, QATAR - 1950 m² - Polyurethane, outdoor sport flooring
-THE LAKE DISTRICT - PUNE, INDIA - 1950m²- Acrylic sports courts
-PRESIDENTIAL GUARD COMMAND MAHAWI - ABU DHABI, UAE - 1900m² - Football court
-GEMS CAMBRIDGE INTERNATIONAL SCHOOL - HOSHIYARPUR, INDIA - 1900m² - Acrylic sports courts, FLEXFLOOR-EX system
-UNITED (SABIC) SPORTS CLUB - 1900 m² - Rubber flooring
-OUTDOOR SPORTS FLOORING PROJECT - PAKISTAN - 1900 m² - Acrylic sports flooring, WET-POUR POLYFLEX AEL-EX
-SCHOOLS MINISTRY OF EDUCATION - KHAMIS, KSA - 1800 m² - Rubber flooring
-AL MAJAD AMPHITHEATER - SHARJA, UAE - 1800m² - Certified Jogging track
-QASSIM UNIVERSITY - KSA - 1800m² - Polyurethane sports flooring
-MODERN ENGLISH SCHOOL - EGYPT - 1785m² - Running track, POLTRACK SPRAYCOAT
-AL QADSIYA MODEL INDEPENDENT SCHOOL - ALWAAB, QATAR - 1770 m² - PU outdoor sport flooring
-IKNS SCHOOL - BAHRAIN - 1700 m² - Playground flooring, SAFEPOL MULTICOLOR system
-AL WAHDA SPORT ACADEMY CLUB - ABU DHABI, UAE - 1700 m² - Acrylic sports system
-ALSARH SCHOOLS OF CIVIL - RIYADH, KSA - 1650m² - PU glue/Soccer field
-PLAYGROUND FLOORING PROJECT IN QATAR - 1650m² - SAFEPOL MULTICOLOR system
-GD GOENKA PUBLIC SCHOOL - PURNIA, INDIA - 1630m²- Acrylic sports courts
-SPA RESORT DERENIVSKUPIA KI - UZHGOROD, UKRAINE - 1600 m² - Flexfloor-ex system, volleyball court
-IISER, INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH - BHOPAL, INDIA - 1600m² - Acrylic sports courts, FLEXFLOOR-EX system
-GRACANICA SPORTS CENTRE - KOSOVO - 1600m² - Running Track, POLTRACK PRAYCOAT system
-THE MILITARY HOSPITAL - RIYADH, KSA - 1560 m² - Volleyball/basketball rubber courts
-THE MILITARY HOSPITAL - RIYADH, KSA - 1560 m² - Pu glue-PU sports flooring
-AL FORSHAN SPORTS CENTRE - ABU DHABI, U.A.E - 1500m² - Smartfloor system, Acrylic flooring
-INDUSTRIAL FLOORING - BULGARIA - 1500m² - Epoxy flooring, Polepox Coat 814 system
-SCHOOL IN AL WAKRA CITY - DOHA, QATAR - 1500 m² - Playground flooring
-IRAQ ARMY CAMP - IRAQ - 1500m² - Acrylic flooring in 2,2mm
-AL FORSHAN SPORTS CENTRE - ABU DHABI, U.A.E - 1500m² - Smartfloor system, Acrylic flooring
-INDUSTRIAL FLOORING - BULGARIA - 1500m² - Epoxy flooring, Polepox Coat 814 system

-SCHOOL IN AL WAKRA CITY - DOHA, QATAR - 1500 m² - Playground flooring

-IRAQ ARMY CAMP - IRAQ - 1500m² - Acrylic flooring in 2,2mm

-SCHOOL IN AL WAKRA CITY - DOHA, QATAR - 1500 m² - Playground flooring

-PROJECT GREEN LAND - DUBAI, UAE - 1500 m² - Jogging track

-UP TOWN SCHOOL - 1500m²- Poltrack Spraycoat, RunningTrack

-OUTDOOR SPORTS COURT COMPLEX - INDIA -1400m²- PU flooring, WET-POUR POLYFLEX PU-EX system

-INDIAN AIR FORCE - ALLAHABAD, INDIA - 1450m² - Acrylic sports courts

-DUBAI MODERN HIGH SCHOOL - DUBAI, UAE - 1375 m² - Acrylic sports courts

-PROJECT ECOGREEN - DUBAI, UAE - 1350 m² - Jogging track

-SPORTS FLOORING PROJECT - BANSKO, BULGARIA - 1350 m² - Acrylic sports courts

-POLICE COMPLEX BARRACKS NIZWA - OMAN- 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS AL AJAIZ - OMAN - 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS KATMATMILAH SITE - OMAN- 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS SUWAIQ - OMAN - 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS AL KAMIL - OMAN - 1300 m² - Colorflex, PU sport flooring

-PLAYGROUND FLOORING - BAHRAIN - 1300m² - Safepol system

-POLICE COMPLEX BARRACKS SHINAS - OMAN - 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS BHALA - OMAN - 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS MUDHAIBI - OMAN - 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS THUMRAIT - OMAN - 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS AL KHOUDH - OMAN - 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS MAHDAH - OMAN - 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS BID BID - OMAN - 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS AL KHABOORA - OMAN - 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS DHANK - OMAN - 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS HAFEET - OMAN - 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS AUQAD - OMAN - 1300 m² - Colorflex, PU sport flooring

-POLICE COMPLEX BARRACKS SUMAIL - OMAN - 1300 m² - Colorflex, PU sport flooring

-MATRIX SPORTING CLUB - EGYPT - 1300 m² - Acrylic flooring, Flexfloor System

-OUTDOOR SPORTS VENUE - KOSOVO - 1300 m² - POLTRACK SPRAYCOAT System

-ALHALAFI BREAK - RIYADH, KSA - 1276 m² - Rubber flooring

-DELHI PUBLIC SCHOOL - ETAWAH, INDIA - 1250m²- Acrylic sports courts, FLEXFLOOR-EX system

-GI-DHOFAR BEACH RESORT & SPA - OMAN - 1225 m² - Colorflex, PU sport flooring

-RLS BASIC EDUCATION SCHOOL SOHAR - OMAN - 1225 m² - Colorflex, PU sport flooring

-MIXED BASIC EDUCATION SCHOOL AL QABIL - OMAN - 1225 m² - Colorflex, PU sport flooring

-BOYS BASIC EDUCATION SCHOOL BARKHA - OMAN - 1225 m² - Colorflex, PU sport flooring

-GIRLS BASIC EDUCATION SCHOOL MUDHAIBI - OMAN - 1225 m² - Colorflex, PU sport flooring

-MIXED BASIC EDUCATION SCHOOL AL AMERAT - OMAN - 1225 m² - Colorflex, PU sport flooring

-UMSALAMA GIRLS SCHOOL - AL RAYYAN, QATAR - 1200 m² - Polyurethane, outdoor sport flooring

-SHERATON PARK - DOHA, QATAR - 1200 m² - Playground flooring

-RAWDA BIN JASSIM SCHOOL - AL AZIZIYAH, QATAR - 1200 m² - Polyurethane, outdoor sport flooring

-GEMS WESTMINISTER SCHOOL - DUBAI, U.A.E - 1200 m² - Acrylic sports courts

-SILVER SPORTS CLUB - INDIA - 1200m²- Acrylic sports courts

-OUR OWN SCHOOL - SHARJA, U.A.E - 1200m² - Acrylic sports courts

-SHARJAH FOOTBALL CLUB - SHARJAH, UAE - 1200 m² - Polyurethane basketball courts
-SHERATON PARK - DOHA, QATAR - 1200 m² - Playground flooring
-CHILE RUNNING TRACK PROJECT - 1200 m² - Running track, POLTRACK SPRAYCOAT system
-EGYPT RUNING TRACK PROJECT - 1200m², Running Track, POLTRACK SPRAYCOAT system
-EGYPT RUNING TRACK PROJECT - 1200m², Running Track, POLTRACK SANDWICH system
-ALIGARH MUSLIM UNIVERSITY - ALIGARH, INDIA - 1200 m² - Acrylic sports courts, FLEXFLOOR-EX system
-SUMMER RESORT, KIDS PLY AREA - CHALKIDIKI, GREECE - 1200 m² - Playground flooring, SAFEPOL
-SPORTS FLOOR PROJECT IN PAKISTAN - 1200 m² - Acrylic sports courts, POLYFLEX AEL-EX
-SYMBIOSIS COLLEGE - INDIA - 1180m²- Acrylic sports courts
-PROFESSOR ABDULAZIZ ANQARI - RIYADH, KSA -1150m² - PU glue/Soccer field
-ACRYLIC, OUTDOOR SPORTS FLOORING PROJECT - KARACHI, PAKISTAN -1150m² - FLEXFLOOR-EX
-AL SAQID ISLAMIC ENGLISH SHCOLL-DUBAI,UAE-1100m²- Acrylic flooring, WET-POUR POLYFLEX AEL-EX
-FIRST POINT SCHOOLS - DUBAI, UAE - 1100m² - Acrylic sports courts
-MAADI BRITISH SCHOOL- EGYPT - 1100m², Multipurpose court, COLORFLEX system
-CENTRAL SQUARE OF MUNICIPALITY OF THERMI - THESSALONIKI, GREECE - 1100m², Decorative flooring MARMOR FLOOR system
-DUBAI AMERICAN ACADEMY - DUBAI, UAE - 1080 m² - Acrylic sports court
-PRELUDE PUBLIC SCHOOL - AGRA, INDIA - 1070m²- Acrylic sports courts
-ALMGBAL BREAK - RIYADH, KSA - 1050 m² - Rubber playground
-BANIYAS CLUB AND AL AIN ENGLISH SPEAKING SCHOOL - ABU DHABI, UAE - 1000m² - Acrylic flooring
-WADY DEGLA LOTUS PROJECT - CAIRO, EGYPT- 1000 m² - Acrylic flooring, Wet-Pour Polyflex AEL-EX system.
-MINISTRY OF EDUCATION - DAMMAM, KSA - 1000 m² - PU indoor multipurpose sports flooring
-SHEIKH OBEID MAKTHOUM PALACE - 1000m² - Outdoor polyurethane flooring
-INDIAN AIR FORCE - AGRA, INDIA - 1000m² - Acrylic sports courts
-INDONESIA - 1000 m² - PU indoor multipurpose sports flooring
-INDIAN AIR FORCE - LUCKNOW, INDIA - 1000m² - Acrylic sports courts
-MULTIPURPOSE POLYURTEHANE INDOOR COURTS - F.Y.R.O.M - 1000m² - Polyflex PU-In system
-SODIC PROJECT - EGYPT - 1000m², Multipurpose court, COLORFLEX system
-INDIAN AIR FORCE - VARANASI, INDIA - 1000m² - Acrylic sports courts
-INTERNATIONAL SCHOOL OF CREATIVE SCHIENCE - SHARJAH, U.A.E - 1000m² - Safepol System
-INDIAN AIR FORCE - BIHTA, INDIA - 1000m² - Acrylic sports courts
-INDIAN AIR FORCE - DARBHANGA, INDIA - 1000m² - Acrylic sports courts
-AL AIN INDIAN SCHOOL - AL AIN, UAE - 1000m² - Football court
-DUBAI SCHOLRAS PRIVATE SCHOOL - DUBAI, U.A.E - 1000m² - Acrylic flooring in 2,2mm
-OBOOR SPORTS CLUB - EGYPT - 1000m² - Acrylic flooring
-INDOOR SPORTS PROJECT IN OMAN - MINISTRY OF EDUCATION - 1000m² - PU sports flooring
-OBOOR SPORTS CLUB - EGYPT - 1000m² - Acrylic sports flooring
-MONARCH INTERNATIONAL SCHOOL - 950m²- Acrylic sports courts, FLEXFLOOR-EX system
-FOOTBALL COURT - LIMASSOL, CYPRUS - 950m²- Artificial grass, POLITURF IMPERIAL 50140
-COMMUNITY COLLEGE - KHAMIS, KSA - 940 m² - Polyurethane indoor multipurpose sports flooring
-GEMS METROPOLE SCHOOL - DUBAI, U.A.E - 900 m² - Playground flooring
-MINISTRY OF EDUCATION - ABHA, KSA - 900 m² - Polyurethane indoor multipurpose sports flooring

-BAB AL SHAMS SPA HOTEL - DUBAI, UAE - 900m² - Football court
-CAIRO FESTIVAL CITY ORIANA PROJECT - EGYPT - 855m² - Playground flooring, SAFEPOL MULTICOLOR
-INDIAN NAVY - KOCHI, INDIA - 850m² - Acrylic sports courts, FLEXFLOOR-EX system
-GALGOTIAS UNIVERSITY - NOIDA, INDIA - 830m² - Acrylic sports courts, FLEXFLOOR-EX system
-KING KHALID UNIVERSITY - ABHA, KSA - 820 m² - Polyurethane indoor multipurpose sports flooring
-ARTIFICIAL GRASS - STATOVCHA, BULGARIA - 800m² - Artificial grass, POLITURF ROYAL 5588
-SCHOOL IN AL WAKRA CITY - DOHA, QATAR - 800m² - Polyurethane sports flooring
-SULTAN MANOR - RIYADH, KSA - 800m² - Polyurethane multipurpose sports flooring
-MINISTRY OF EDUCATION - AL KHARIZ, KSA - 800m² - PU indoor multipurpose sports flooring
-INDOOR SPORTS COURT - MALAYSIA - 800m² - PU indoor sports flooring
-KID'S PLAY AREA IN MALL - MOROCCO - 800m² - PU indoor sports flooring, POLYFLEX PU-IN system
-MARASSI R1 PROJECT - EGYPT - 800m² - Playground flooring, SAFEPOL MULTICOLOR system
-DUBAI ENGLISH SPEAKING COLLEGE - DUBAI, UAE - 783m² - Acrylic flooring, SPORTFLOOR-EX, HARD COURT
-SINGAPORE AIRLINES - SINGAPORE - 735m² - PU indoor sports flooring
-AL DAJAN COMPANY - GASIM, KSA - 722m² - Polyurethane sports flooring/Tennis court
-SELECTIVE GOVERNMENT HIGH SCHOOL - EGYPT - 720m², Outdoor sports flooring
-INDIAN AIR FORCE - AHMEDABAD, INDIA - 720m²- Acrylic sports courts
-FITNESS TIME - FAYSALIA, DAMMAM, KSA - 700 m²-PU indoor multipurpose sports flooring/running track
-FITNESS TIME YASMEEN - RIYADH, KSA - 700 m² - PU indoor multipurpose sports flooring/running track
-FERRARI WORLD - ABU DHABI, UAE - 700m² - Playground flooring
-FITNESS TIME JUNIOR - RIYADH, KSA - 700 m² - PU indoor multipurpose sports flooring/running track
-FITNESS TIME - OLAYA RIYADH, KSA - 700 m² - PU indoor multipurpose sports flooring/ running track
-FITNESS TIME WAHA - RIYADH, KSA - 700 m² - PU indoor multipurpose sports flooring/running track
-FITNESS TIME, NOOR BRANCH - DAMMAM, KSA -700 m² - PU indoor sports flooring and running track
-FITNESS TIME, ALAMEEN BRANCH - DAMMAM, KSA - 700 m² - PU indoor sports flooring and running track
-FITNESS TIME, PLUS RIYADH - RIYADH, KSA - 700 m² - PU indoor sports flooring and running track
-FITNESS TIME, SALAMA BRANCH BRO & FITNESS - JEDDAH, KSA - 700 m² - PU indoor sports flooring
-FITNESS TIME, 40th BRANCH - JEDDAH, KSA - 700 m² - PU indoor sports flooring and running track
-NASR CLUB- EGYPT - 700m², Multipurpose court, POLYFLEX WET-POUR system
-HUREL DOUBLE 3 - RAS AL KHAIMEH, KSA - 700 m² - Shockpad plus acrylic coatings
-THE SUSTAINABLE CITY - DUBAI, U.A.E - 700 m² - Acrylic flooring
-PROJECT IN MALTA - 700 m² - Acrylic flooring, SPORTFLOOR-EX system
-EMAAR - EMIRATES HILLS 2 - DUBAI, U.A.E - 700m² - Basketball court, Acrylic flooring
-AIRFORCE SURBOTO PARK - NEW DELHI, INDIA - 680 m² - Polyurethane outdoor sports flooring
-INDIAN ARMY - DHRANGDHARA, INDIA - 670m² - Acrylic sports courts
-MT.SAINT PATRICK ACADEMY - INDIA - 665m²- Acrylic sports courts
-RAJIV GANDHI THERMAL POWER PLANT - HISAR, INDIA - 650m² - Acrylic sports courts, FLEXFLOOR-EX system
-JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPURAMU - ANANTAPUR, INDIA - 650m² - Acrylic sports courts, FLEXFLOOR-EX system
-REGIONAL HQ AT BURAIMI - OMAN - 650 m² - Colorflex, PU sport flooring
-PLAYGROUND FLOORING PROJECT IN LARNAKA, CYPRUS - 650 m² - SAFEPOL MULTICOLOR system
-ROYAL OMAN POLICE TASK FORCE RUSTAQ - OMAN - 650 m² - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE LIWA - OMAN - 650 m² - Colorflex, PU sport flooring
-ROYAL OMAN POLICE TASK FORCE AL SALIL - OMAN - 650 m² - Colorflex, PU sport flooring
-ROYAL OMAN POLICE TASK FORCE IBRI - OMAN - 650m² - Colorflex, PU sport flooring
-ROYAL OMAN POLICE TASK FORCE IBRA - OMAN - 650m² - Colorflex, PU sport flooring
-ROYAL OMAN POLICE TASK FORCE AL SUR - OMAN - 650m² - Colorflex, PU sport flooring
-ROYAL OMAN POLICE TASK FORCE AL DUKUM - OMAN - 650m² - Colorflex, PU sport flooring
-ROYAL OMAN POLICE TASK FORCE AL BURAIMI - OMAN - 650m² - Colorflex, PU sport flooring
-ROYAL OMAN POLICE TASK FORCE AL NIZWA - OMAN - 650m² - Colorflex, PU sport flooring
-ROYAL OMAN POLICE TASK FORCE AL SUWAIQ - OMAN - 650m² - Colorflex, PU sport flooring
-ABU DHABI MUNICIPALITY - ABU DHABI , UAE - 650m² - Acrylic flooring
-ROYAL OMAN POLICE TASK FORCE AL SALALAH - OMAN - 650m² - Colorflex, PU sport flooring
-ROYAL OMAN POLICE TASK FORCE AL BARKHA - OMAN - 650m² - Colorflex, PU sport flooring
-ROYAL OMAN POLICE TASK FORCE KHOUDH - OMAN - 650m² - Colorflex, PU sport flooring
-MULTIPURPOSE COURTS - TIRANA, ALBANIA - 650m² - Acrylic sports flooring, FLEXFLOOR system
-MOHAMMED JASSIM M AL THANI SCHOOL - UMSALALALI, QATAR - 620m² - PU outdoor sport flooring
-QATAR GEMS SCHOOL - DOHA, QATAR - 615m² - Polyurethane sports flooring
-VELOOR THRISSUR DISTRICT - KERALA, INDIA - 610m² - Acrylic sports courts, FLEXFLOOR-EX system
-VAISHNO DEVI - DELHI, INDIA - 608m² - Polyurethane outdoor sports flooring
-EQUINE FLOORING - BAHRAIN - 600m², POLTRACK EQUESTRIAN SYSTEM
-THAILAND - 600m² - Acrylic sports courts
-INDIAN ARMY - AGRA, INDIA - 600m² - Acrylic sports courts
-THE INTERNATIONAL SCHOOL - AGRA, INDIA - 600m² - Acrylic sports courts
-INDIAN ARMY - JHANSI, INDIA - 600m² - Acrylic sports courts
-THE SUSTAINABLE CITY - DUBAI, U.A.E - 600m² - Safepol system
-AMITY SCHOOL, JUMEIRAH ISLAND - DUBAI, UAE - 600m² - Safepol system
-OUR OWN ENGLISH HIGH SCHOOL - SHARJAH, U.A.E - 600m² - Flexfloor system
-OUR OWN ENGLISH HIGH SCHOOL - SHARJAH, U.A.E - 600m² - Polyflex Ael-EX system
-ST. FRANCIS INTER COLLEGE - HATHRAS, INDIA - 600m² - Acrylic sports courts, FLEXFLOOR-EX system
-ST. ANTHONY'S SENIOR SECONDARY SCHOOL - FARRUKHABAD, INDIA - 600m² - Acrylic sports courts, FLEXFLOOR-EX system
-SKATING FOR KIDS - GUJARAT, INDIA - 600m² - Sportfloor system
-IMS COLLEGE - GHAZIABAD, INDIA - 600m² - Acrylic sports courts, FLEXFLOOR-EX system
-GALGOTIAS COLLEGE OF ENGINEERING - GR. NOIDA, INDIA - 600m² - Acrylic sports courts, FLEXFLOOR-EX system
-NEW DUBAI BRADENTON SCHOOL- DUBAI, UAE - 570m² - Acrylic sports courts
-DUBAI SILICON OSIS-CENTRAL PARK, DSO - DUBAI, UAE - 560 m² - Jogging track
-MPS WORLD SCHOOL - AGRA, INDIA - 560m² - Acrylic sports courts
-LEADERS INTERNATIONAL SCHOOLS - EGYPT - 560m² - PU sports courts
-PLAYGROUND FLOORING PROJECT IN SINGAPORE - 550m² - SAFEPOL MULTICOLOR system
-ARMY LAW COLLEGE PUNE- PUNE, INDIA - 550m² - Acrylic sports courts, FLEXFLOOR-EX system
-AL WUKAIR GIRLS SCHOOL - AL WAKRAH, QATAR - 550m² - Polyurethane, outdoor sport flooring
-AL BUROUJ PROJECT, SPORTS CLUB - EGYPT - 550m² - Running track, POLTRACK SPRAYCOAT
-BBPS - DELHI, INDIA - 512m² - Polyurethane outdoor sports flooring
-IVY STATE - PUNE, INDIA - 511m² - Acrylic sports courts

-KUNAL ICONIA - INDIA - 510m²- Acrylic sports courts
-AMERICAN SCHOOL OF DUBAI - DUBAI, UAE - Acrylic sports courts
-ETIHAD MUSEUM - JUMEIRAH, DUBAI, UAE - Rubber flooring
-CARPARKING - ABU DHABI, UAE - Acrylic flooring
-DUBAI MILLENIUM SCHOOL - QUSAIS, UAE - Acrylic sports courts
-AMERICAN UNIVERSITY - DUBAI, UAE – Acrylic outdoor sports flooring
-RAK ACADEMY - RAK, UAE - Acrylic flooring
-ISCS - SHARJA, UAE - Acrylic flooring
-THE INTERNATIONAL SCHOOL OF CHOUEIFAT - AJMAN, U.A.E - Sportground-Ex system
-THE KINDER GARDEN STARTERS - DUBAI, U.A.E - Safepol system
-AL ZAHIA PROJECT - SHARJA, UAE - Safepol system
-WADY DEGLA SHERATON CLUB - CAIRO, EGYPT - Acrylic sports flooring
-GEMS WELLINGTON SCHOOL - DUBAI, U.A.E - Safepol system
-JUMEIRAH RETAIL DEVELOPMENT - JUMEIRAH, DUBAI, UAE - Safety rubber flooring
-MR.ABDULRHMIN - JUBAIL, KSA - Rubber playground
-GEMS WESTMINISTER SCHOOL - DUBAI, U.A.E - Safepol system
-POLYURETHANE INDOOR SPORTS COURT - TIRANA, ALBANIA - Polyflex PU-In system
-MULTIPURPOSE COURTS - ODESSA, UKRAINE - Rubber flooring
-MULTIPURPOSE COURTS - ZHOVKVA, UKRAINE - Rubber flooring
-MUNICIPAL TENNIS CLUB - PATRA, GREECE - Flexfloor-EX system, Acrylic sports courts
-INDIAN AIR FORCE - GORAKHPUR, INDIA - Acrylic sports courts
-INDIAN AIR FORCE - BAREILLY, INDIA - Acrylic sports courts
-INDIAN ARMY - BABINA, INDIA - Acrylic sports courts
-ADAM AIRBASE PACKAGE 8, OMAN - Colorflex, PU sport flooring
-GOLD GYM - KOLKATTA, INDIA - Polyurethane indoor sports flooring
-MINISTRY OF FOREIGN AFFAIRS - ABU DHABI, UAE - Polyurethane flooring
-SHRJAH SPORTS CLUB - SHARJAH, UAE - Polyurethane flooring
-GEMS WINCHESTER SCHOOL - AL BARSHA SOUTH, UAE - Acrylic sports system
-HOTEL DOUBLE 3 - RAS AL KHAIMAH, UAE - Prefabricated shock-pad 4mm plus acrylic coatings
-ALNABBAGH STABLE - AL AIN, U.A.E - Polyurethane flooring, POLTRACK EQUESTRIAN FLOORING
-AL WAHDA CLUB - ABU DHABI, UAE - Rubber flooring
-ADJD MAIN BUILDING LANDSCAPE PROJECT - ABU DHABI, UAE - Rubber flooring
-KADEEJ AL KURBA SCHOOL - ABU DHABI, UAE - Rubber flooring
-INTERNATIONAL SCHOOL OF CREATIVE SCIENCE - SHARJA, U.A.E - Flexfloor system/Outdoor Multipurpose court
-ENVIRO, VATIKA HOTELS PVT.LTD - GURGAON, INDIA - Acrylic sports flooring
-ASHIANA - BHUBANESHWAR, INDIA - Acrylic sports flooring
-TCS, ADIBATLA - HYDERABAD, INDIA - Acrylic sports flooring
-IPS, ERODE - CHENNAI, 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
-WELHAMS GIRLS SCHOOL - DEHRADUN, INDIA - Acrylic sports flooring

-WOODDUCK COMMERCIAL CENTER- IRAN - Industrial flooring
-ARABIAN RANCHES by EMAR - DUBAI, U.A.E - Playground flooring
-OUR OWN ENGLISH HIGH SCHOOL - SHARJAH, U.A.E - Playground flooring
-POLO CLUB GHANTOOT - ABU DHABI, U.A.E - Polyurethane flooring, POLTRACK EQUESTRIAN 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
-MINISTRY OF EDUCATION, NAD AL HAMAR BOYS SCHOOL - DUBAI, U.A.E - Playground flooring
-K.G. KIDS SCHOOL - AALI, BAHRAIN - Playground flooring
-SABIC BEACH CAMPS PROJECT - JUBAIL, K.S.A - Outdoor sports flooring, artificial grass.
-MINISTRY OF EDUCATION, MIZHER GIRLS SCHOOL - DUBAI, U.A.E - Playground flooring
-WARSAN STABLE - Polyurethane flooring, POLTRACK EQUESTRIAN FLOORING
-AL SHIMAL PARK - DOHA, QATAR - Playground flooring
-UM SELAL PARK - DOHA, QATAR - Playground flooring
-AL KABAN PARK - DOHA, QATAR - Playground flooring
-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
-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, KSA - Acrylic sports flooring
-FITNESS TIME PRO - AL AHSA BRANCH - KSA - Flexfloor, Basketball court
-FITNESS TIME PRO - MAKKAH SHARAIE - KSA - Flexfloor, Basketball court
-BIN HAM - AL AIN, UAE - Polyurethane flooring
-SHAMMA BINT MOHAMMED SHOOOL - AL AIN, UAE - Polyurethane flooring
-ABDULLAH BIN OTAIBA - ABU DHABI, UAE - Polyurethane flooring
-LIWA INTERNATIONAL SCHOOL - AL AIN, U.A.E - Colorflex outdoor sport system.
-ZOHOUR KG - MANAMA, BAHRAIN - Polyurethane sports flooring
-RAWDA RASHED - QATAR- Polyurethane, outdoor sport flooring
-SAAD BIN ABI WAQAS SCHOOL - AL RAYYAN, QATAR - Polyurethane, outdoor sport flooring
-FITNESS TIME PRO - MADINS RING ROAD BRANCH - KSA - Flexfloor, Basketball court
-AGRA CHAIN - AGRA, INDIA - Acrylic sports flooring
-SUNWORLD - NOIDA, INDIA - Acrylic sports flooring
-SSN INVESTMENTS PRIVATE LIMITED, FRIENDS COLONY - DELHI, INDIA - Acrylic sports flooring
-AJNARA - NOIDA, INDIA - Acrylic sports flooring
-BRIGHT RIDERS SCHOOL - ABU DHABI, UAE - Running track, Acrylic sports court
-OUR OWN ENGLISH HIGH SCHOOL - SHARJAH, U.A.E - Poltrack Spaycoat system
-NCC - JAIS, INDIA - Acrylic sports flooring
-ALPHA FOUNDATION FOR EDUCATION & RESEARCH - TRICHIRAPALLI, INDIA - Acrylic sports flooring
-PUSHPANJALI FARMS - NEW DELHI, INDIA - Acrylic sports flooring
-M3M - MERLIN GURGAON, INDIA - Acrylic sports flooring
-NORTH LONDON COLLEGIATE SCHOOL - DUBAI, U.A.E - Playground flooring
-FOOT COURT - EGYPT - Running track, POLTRACK SPRAYCOAT system
-FITNESS TIME ANDALUS BRANCH - JEDDAH, K.S.A - Acrylic sports flooring, FLEXFLOOOR SYSTEM

-ST.JOSEPHS WOMENS COLLEGE - ALLEPPEY, KERALA, INDIA - Polyurethane outdoor sports flooring

-RAILWAY SPORTS GROUND - GUNTAKAL, ANDRA PRADESH, INDIA - Acrylic sports flooring

-TERVEL PROJECT - TERVEL, BULGARIA - Playground flooring, SAFEPOL system

-INDOOR COURT - UKRAINE - Polyflex PU-In system

-PRIVATE JOB - HYDERABAD, SOUTH INDIA - Acrylic outdoor sports flooring

-RAILWAY SPORTS GROUND -GUNTAKAL, ANDRA PRADESH, INDIA-Acrylic outdoor sports flooring, 5 layers

-MINISTRY OF EDUCATION U.A.E - Playground flooring

-PLAYGROUND FLOORING - VARNA, BULGARIA - SAFEPOL System

-INDIAN ARMY - SHAHJAHANPUR, INDIA - Acrylic sports courts, FLEXFLOOR-EX system

-AIR FORCE SCHOOL - BENGALURU, INDIA - Acrylic sports courts, FLEXFLOOR-EX system

-ARMY PUBLIC SCHOOL - UDHAMPUR, INDIA - Acrylic sports courts, FLEXFLOOR-EX system

-BAHRAIN ROYAL EQUESTRIAN AND ENDURANCE FEDERATION - BAHRAIN - PU Equestrian system

-PLAYGROUND PROJECT - HONG KONG - SAFEPOL MULTICOLOR system

-PLAYGROUND PROJECT - KOSOVO - SAFEPOL MULTICOLOR system

-KIND SAUDI UNIVERSITY - RIYADAH, K.S.A - Running track, POLTRAC SPRAYCOAT ASYSTEM

-TENNIS COURT IN MYKONOS, GREECE - Acrylic sports courts, POLYFLEX AEL-EX system

PHOTOGRAPHS OF PROJECTS



SPORTS FLOORING

POLYFLEX SILICON PU - WT

Elastic, seamless flooring for indoor and outdoor use for all kind of sport floorings and areas, like multipurpose courts, basketball-volleyball courts, handball-badminton courts.

It offers a very competitive and quality solution for indoor and outdoor sport floorings with great shock absorbency.

Combination of a wet-pour mixture of PU BINDER and SBR granules in granulometry of 0,5-2mm and of a wet-pour system consisting of a filler coloured coating, **LIQUID CUSHION SP COARSE**, in 3 layers, followed by **LIQUID CUSHION SP FINE** in 2 layers and then 3 layers of **POLYFLEX COAT SP** and finally 2 layers of **POLYFLEX TOP SP** 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. Mixture of PU BINDER 1118 and RECYCLED RUBBER 858 - Elastic, shock-absorbent, wet-pour mixture.

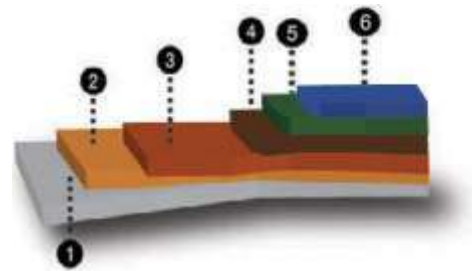
The **RECYCLED RUBBER 858** is in granulometry of 0.5-2mm.

3. LIQUID CUSHION SP COARSE - Highly flexible, pasty, wet-pour cushion rubber flooring for sports flooring systems.

Consists of SBR, in granulometry of 0,5-1mm, modified PU resins and special improver. Applied by squeegee in 3 crossing layers.

4. LIQUID CUSHION SP FINE - Highly flexible, pasty, wet-pour cushion rubber flooring for sports flooring systems.

Consists of SBR, in granulometry of 0,2-0,5mm, modified PU resins and special improver. Applied by squeegee in 2 crossing layers.



5. POLYFLEX COAT SP - Modified PU, elastic, coating for sports floors systems.

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

6. POLYFLEX TOP SP - Polyurethane, aliphatic, two-component top coating for outdoor and indoor sport floorings.

Applied by short haired mohair roller or airless sprayer.

| Description | Consumption |
|--|--|
| PU PRIMER 870 - Special, polyurethane primer. | 0.2kg/m ² for 2 layers |
| PU BINDER 1118 - Polyurethane binder. | 1.2kg/m ² for 10mm mixture |
| RECYCLED RUBBER 858 - SBR granules in granulometry of 0.5-2mm. | 6kg/m ² for 10mm mixture |
| LIQUID CUSHION SP COARSE - Highly flexible, pasty, wet-pour cushion sub-layer for sports flooring systems. | 1.5kg/m ² for 3 layers |
| LIQUID CUSHION SP FINE - Highly flexible, pasty, wet-pour cushion sub-layer for sports flooring systems. | 0.8kg/m ² for 2 layers |
| POLYFLEX COAT SP - Modified PU, elastic, coating for sports floors. | 1.8kg/m ² for 3 layers |
| POLYFLEX TOP SP - Elastic, polyurethane coating for indoor and outdoor surfaces. | 0.3kg/m ² for 2 layers |

SYSTEM POLYFLEX SILICON PU WT



Elastic, seamless flooring for indoor and outdoor use for all kind of sport floorings and areas, like multipurpose courts, basketball-volleyball courts, handball-badminton courts.

It offers a very competitive and quality solution for indoor and outdoor sport floorings with great shock absorbency.

Combination of a wet-pour mixture of PU BINDER and SBR granules in granulometry of 0,5-2mm and of a wet-pour system consisting of a filler coloured coating, **LIQUID CUSHION SP COARSE**, in 3 layers, followed by **LIQUID CUSHION SP FINE** in 2 layers and then 3 layers of **POLYFLEX COAT SP** and finally 2 layers of **POLYFLEX TOP SP** coating.

Steps :

1. **PU PRIMER 870** - Special, polyurethane primer.
2. **Mixture of PU BINDER 1118 and RECYCLED RUBBER 858** - Elastic, shock-absorbent, wet-pour mixture.
The **RECYCLED RUBBER 858** is in granulometry of 0.5-2mm.
3. **LIQUID CUSHION SP COARSE** - Highly flexible, pasty, wet-pour cushion rubber flooring, with SBR granules, for sports flooring systems.
4. **LIQUID CUSHION SP FINE** - Highly flexible, pasty, wet-pour cushion rubber flooring, with SBR powder, for sports flooring systems.
5. **POLYFLEX COAT SP** - PU modified, elastic coating for sports floors systems.
6. **POLYFLEX TOP SP** - Polyurethane, aliphatic, two-component top coating for outdoor and indoor sport floorings.

Preparation – Application

Applied only on dry asphalt and concrete surfaces (over 30 days old from date of placement) without rising humidity issues and free of materials that might prevent bonding e.g. dust, loose particles, grease etc. The success in the application depends on the right preparation of the underlay and use of the material.

- **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and squeegees.

- Priming of the surface with **PU PRIMER 870** for the proper adhesion on the sub-floor in two layers. It is recommended that the second layer should be applied in sections each time, right before the application of the next material, in order to ensure proper adhesion. Avoid the creation of puddles of the material. Application is done with airless sprayer and brush. Consumption: 200-300gr/m² in two layers, depending on the absorption of the underlay.
- When the primer begins to dry (approximately 1 hour depending on the ambient temperature), follows the application of wet pour shock-absorbent mixture by paver machine in the desired thickness or even by hand if the applicator is very experienced, with a straightedge and a flat trowel, using also a cylinder for final compacting. The wet-pour shock-absorbent mixture consists of SBR granules in granulometry of 0.5-2mm and PU binder. It is strongly recommended the application of the mixture to take place during night hours in the Middle East countries during summer months.
- Then follows the application of **LIQUID CUSHION SP COARSE**, highly flexible, pasty, wet-pour cushion rubber flooring with SBR granules in granulometry of 0.5-1 mm, which is applied by squeegee in 3 crossing layers. Consumption: 1,5kg/m² in 3 layers.
- And then follows the **LIQUID CUSHION SP FINE**, highly flexible, pasty, wet-pour cushion rubber flooring with SBR in granulometry of 0.2-0.5mm, applied by squeegee in 2 crossing layers. Consumption: 0,8kg/m² in 2 layers.
- The elastic, PU modified coating **POLYFLEX COAT SP** is applied in 3 crossing layers by squeegee, beginning from one edge of the area, going down to the other edge in one squeegees strip, then turning back on the opposite direction overlapping the previous strip by 20-30 cm or so and continuing the same way. Possible traces of the squeegee edges will have to be smoothed out with the squeegee or other tool (e.g. trowel). The next layer follows the other after the previous starts to dry. Sanding of the surface should be done after the first layer is dried.
- Depending on the ambient temperature **POLYFLEX COAT SP** is diluted with 3-4% water, prior to application, in order to achieve better fluidity. Consumption: 1,8 kg/m² in 3 layers.
- Before the application of the next material and after the drying of the last layer of **POLYFLEX COAT SP** the surface must be sanded with a special sanding machine with sandpaper of grade 100-120.
- The next day, depending on the ambient temperature, follows application of finishing paint **POLYFLEX TOP SP** in 2 crossing layers by a short-haired mohair roller or even better by airless sprayer. Consumption: 0,3 kg per square meter in 2 layers.

Important Remarks

- During temperatures over 40 degrees, ideal time for the application of **POLYFLEX SILICON PU-WT SYSTEM** is between 22:00 and 09:00 and the minimum bearing temperature during application and drying should be over 10°C.
- The freshly coated surface should be protected from high temperatures, wind, rain and frost for at least the first 24 hours.
- In case it gets damaged, it is simply repaired and recoated on the spot.

Substrate

Asphalt is the safer subfloor for sport floorings for sure and must be always preferred than concrete surfaces.

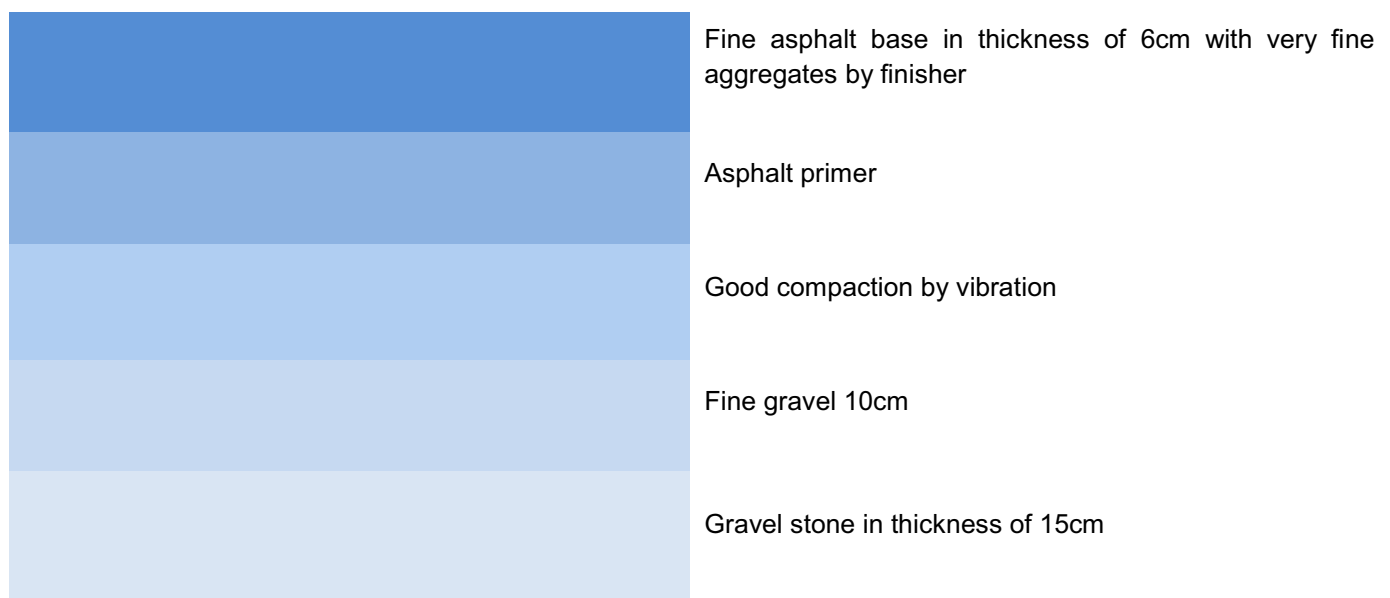
A. Asphalt Substrate

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 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.

Asphalt Infrastructure



B. Concrete Surface

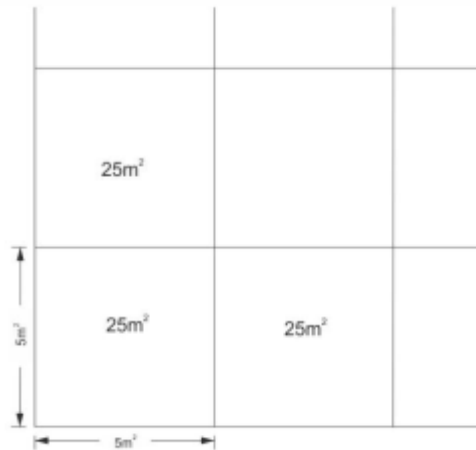
Concrete surface must be power-trowelled without cracks and must be smooth with a slope of 0.7-1% and humidity under 4% in 10cm depth of concrete.

Concrete must also be **dry at least for 40 days** and then the application takes place if there is no rising humidity for 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 when 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. Joints should be every 25 square meters creating a grid of 5x5 meters or close to that.



| | | |
|--------------------------------------|-------------------|------------------|
| <u>SUBSTRATE REQUIREMENTS</u> | Concrete quality | at least C20/25 |
| | Age: | at least 40 days |
| | Moisture content: | below 4% |

Tools:



Colors: Following colorchart.



The colors may vary slightly from the original due to digital representation.



The colors may vary slightly from the original due to digital representation.

PU PRIMER 870

TRANSPARENT, ONE COMPONENT, POLYURETHANE-BASED PRIMER, USED AS AN ADHESIVE COMPONENT BETWEEN SUBFLOOR AND SPORTS SYSTEMS

GENERAL CHARACTERISTICS

POLYURETHANE PRIMER 870 is a clear, polyurethane-based, one-component primer, which is used as an adhesive component between the sub-floor and sport systems.

- Penetrates in depth.
- Ideal for old and new surfaces.

TECHNICAL DATA

| | |
|---|----------------------------|
| Basis: | one-component polyurethane |
| Appearance: | liquid |
| Color: | transparent |
| Viscosity: | 50 – 250 mPa s at 25°C |
| Density: | 0.9- 1.0 Kg/Lt |
| Temperature for the application and drying of the material: | 10 – 40°C |

PREPARATION-APPLICATION

Applied on dry surfaces without rising humidity issues, free of materials that might prevent bonding e.g. dust, loose particles, grease etc (in case of asphalt or concrete). The success in the application depends on the right preparation of the underlay and use of the material.

- **Good, dry** cleaning of the surface from dust and residues.
- Priming of the surface with **PU PRIMER 870** applied by airless sprayer equipment or brush, roller. The base layer (wet-pour mixture of SBR and PU BINDER 1118) should be constructed while **PU PRIMER 870** is still a bit sticky. Curing takes place at ambient temperature by evaporation of the solvent and reaction with atmospheric moisture. High temperatures and moisture will shorten the cure time. **PU PRIMER 870** is applied in two or more layers as a thin film, and on the final layer, wet-pour mixture of SBR and PU BINDER 1118 can be applied on sticky surface.
- The temperature should not fall below 10° C during curing.
- Opened drums should be used up quickly.
- The layer (wet-pour mixture of SBR and PU BINDER 1118) should be constructed while the final layer of **PU PRIMER 870** is still sticky.
- **NOTE: Rain will cause the primer to lose its function! If the primer was affected by rain, the base layer should not be constructed! Instead, the sub floor has to dry and the primer application has to be repeated.**

CONSUMPTION

200-300 gr/m² depending on the type and the absorbency of the underlay.

APPLICATION TOOLS

Brush and airless sprayer. Tools should be cleaned with a PU solvent immediately after use.

PACKAGING

Drums / Barrels.

STORAGE

One year in unopened containers in cool and dry places, out of sunlight, with minimum temperature 5°C and maximum temperature 30°C.

REMARKS

- Working time of **POLYURETHANE PRIMER 870** decreases when ambient temperature rises.
- Prolonged storage of partially used containers containing **POLYURETHANE PRIMER 870** must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.

CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water.

For more information consult the safety data sheet.

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of KDF LTD.

PU BINDER 1118

POLYURETHANE BINDER

GENERAL CHARACTERISTICS

100% solids, aromatic, polyisocyanate-prepolymer, moisture-curing binder based on diphenylmethane diisocyanate. It is MDI based and solvent free and has low viscosity. It exhibits excellent adhesion to all rubber granules and gives a strong performance both in terms of tensile strength and durability.

It is mixed with **RECYCLED RUBBER 858** or **EPDM granules** for the creation of the elastic safety flooring **SAFEPOL MULTICOLOR** or other flexible rubber floorings, ideal for playgrounds, athletic tracks, schools etc. Combines and bonds RIM components, polyurethane granules and sponge particles. Also it can be used as lining for insulation and for pasting.

TECHNICAL DATA

| | |
|---|--------------------------|
| Density of mixture (25°C) | app. 1.08 – 1.18 Kg/Lt |
| Viscosity (25°C) | 4.000 - 8.000 mPa.s |
| Pot-life (25°C) | 30-75 min. |
| Application temperature | Min 10°C |
| Curing (25°C and %60 relative humidity) | After 24 hours it cures. |

PREPARATION-APPLICATION

Applied on dry surfaces without rising humidity issues, free of materials that might prevent bonding e.g. dust, loose particles, grease etc (in case of asphalt or concrete). The success in the application depends on the right preparation of the underlay and use of the material.

Good, dry cleaning of the surface from dust and residues using vacuum cleaner and squeegees.

Can be used for kids playground, running tracks, sports grounds, walkways and offices.

Moulded in production: Rubber granules and binder are thoroughly mixed, taken into moulds, and then pressure is applied. 160 bar pressure, mold temperature of 130 degree gives reasonable results in 12 - 15 minutes. In molding applications, binder content should not fall below 5%.

On-site applications: **Applied on dry surfaces, free of materials that might prevent bonding e.g. dust, loose particles etc (in case of asphalt or concrete).** The success in the application depends on the right preparation of the underlay and use of the material.

- **Good, dry** cleaning of the surface from dust and residues.
- Priming of the surface with the special **POLYURETHANE PRIMER 870** in two layers.
- Good mixing of the **PU BINDER 1118** and the **RECYCLED RUBBER 858**. Mixing should be performed using a low revolution mixer (300-600 rpm) for 1-2 min. Stirring of the mixture should be performed thoroughly near the sides and bottom of the container in order to achieve homogeneity.
- Following, the mixture is poured on the surface and spread on the desired thickness using paving machine or by hand, if the applicator is experienced, with rake for spreading, (wooden) straightedge for initial smoothing, flat metal trowel for final smoothing and compacting, cylinder weighing 8-15kg for final compacting-(cylinder should be cleaned repeatedly with diesel to remove stuck granules from its surface).
- The application procedure for **SAFEPOL MULTICOLOR (PU BINDER 1118 and EPDM 856 mixture)** on top of asphalt or waterproof concrete directly is the same as for

SAFEPOL MIXTURE (the mixture of **PU BINDER 1118** and **RECYCLED RUBBER 858**).

RATIO MIXTURE

- 16% **PU BINDER 1118** and 84% **RECYCLED RUBBER 858**, for sports flooring.
 - 14% **PU BINDER 1118** and 86% **RECYCLED RUBBER 858**, for playground flooring.
 - 17% **PU BINDER 1118** and 83% **EPDM 856**.
-

PACKAGING

220kg in barrels.

STORAGE

12 months in unopened containers in cool and dry places, out of sunlight, with minimum temperature 5°C and maximum temperature 30°C.

REMARKS

- Concrete humidity should not be above 4%, ambient humidity should be at least 40% and most 80%. To begin the application, must wait for the appropriate humidity.
 - Working time of **PU BINDER 1118** decreases when ambient temperature rises.
 - Prolonged storage of partially used containers containing **PU BINDER 1118** must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.
-

CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water.

For more information consult the material safety data sheet.

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SBR RUBBER GRANULES 858

GENERAL CHARACTERISTICS

It can be used in sports facilities as infill in synthetic grass with the parallel use of round sand and also as one of the components in case of cast applied wet-pour systems for playground floorings or as shock-pad for sport subfloors in athletic tracks and sports fields.

Rubber granule is derived from car and truck tires. During processing, the tires are mechanically granulated, removing all metal and synthetic fibers, as well as any other foreign part contained in there with specially designed sieves, so as to produce a 99.99% clear rubber with high quality.

PROPERTIES

- 100% recyclable
- Long life
- Resistance to adverse weather conditions
- High shock absorbency and vibration damping
- High abrasion resistance

PREPARATION- APPLICATION

In sports facilities and playgrounds to ensure flexibility of surface and vibration absorption.

TECHNICAL CHARACTERISTICS

Granulometry 1-3mm

| | |
|------------------|---------------------------|
| DENSITY: | 0.48kg/cm ³ |
| SPECIFIC GRAVITY | 1.20+/- .05 (Water = 1.0) |
| HARDNESS | 60 |
| HUMIDITY(%) | <0.65 |
| ELASTICITY | 100% - No change |
| RESISTANCE | 113N/cm - Excellent |

PACKAGING

Packaging is available in big-bags -1 ton in following sizes:

| | |
|------------|------------|
| Grain size | 0,5-1,5 mm |
| Grain size | 0,5-2,5 mm |
| Grain size | 0.5-4.0 mm |
| Grain size | 2-8 mm |
| Grain size | 8-20 mm |
| Grain size | 80-50 mm |
| Grain size | 80-120 mm |

LIQUID CUSHION SP COARSE

VERY ELASTIC, CUSHION, SUB-FLOOR FOR SPORT FIELDS

GENERAL CHARACTERISTICS

LIQUID CUSHION SP COARSE is acrylic-based, highly flexible, pasty, wet-pour cushion rubber flooring with SBR granules in granulometry of 0.5-1mm, for outdoor or indoor sport courts.

- Applied on asphalt and waterproofed cement surfaces without rising humidity issues, for the creation of a very elastic sub floor of 1-3mm for athletic courts that does not need maintenance.
- Ideal for the creation of very elastic external and internal tennis, basketball, handball, football and volleyball courts etc.
- Applied easily, providing a safe, high quality game.

TECHNICAL DATA

| | |
|---|-----------------------------|
| Basis: | acrylic |
| Appearance: | viscous paste |
| Colors: | black |
| Density: | 0,85-0,95 kg/lt |
| Viscosity: | 20000-30000 mPa sec at 25°C |
| Temperature for the application and drying of the material: | 10 – 40°C |
| Walkability: | after 1 day at 25°C |

PREPARATION-APPLICATION

Applied only on dry surfaces. Protected from arising humidity and free of materials that might prevent bonding e.g. dust, loose particles, grease etc. The success in the application depends on the right preparation of the underlay and use of the material.

- **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and squeegees.
- Priming of the surface with joining resin/primer for the proper adhesion with the subfloor. Application of one or more layers until the surface is saturated. Avoid the creation of puddles of the material. Consumption: 200gr/m² depending on the absorption of the underlay.
- When the primer begins to dry (1 hour usually, depending on ambient temperature), follows the application of the wet-pour mixture of binder & sbr or the special pore filler **POLYFLEX FILLER SP**.
- After one day, **LIQUID CUSHION SP COARSE** is applied, in three layers, diluted in 25% water. The application is done with squeegee.
- Follows the application of **LIQUID CUSHION SP FINE** in two layers, diluted in 25% water. The application is done with squeegee.
- As soon as **LIQUID CUSHION SP FINE** dries (24 hours at 25°C), follows the application of **POLYFLEX COAT SP**.
- And then the final top coating **POLYFLEX TOP SP** in two layers.

In case of using shock-pad in rolls as subfloor:

- **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and squeegees.
- Good mixing of components A (resin) & B (hardener) packed into separate containers in fixed weight proportions. Mixing should be performed using a 300-600 rpm mixer for 2-3 min until a uniform mass is obtained. Stirring of the mixture should be performed thoroughly near the sides and bottom of the container in order to achieve uniform dispersion of the hardener.
- The mixed adhesive **PU FLEX 140** is applied under each roll using a notched trowel, as soon as possible in order to avoid any problems with the limited pot life. A roller should be used on the top of the shock absorbent rolls within an hour after the adhesive has been mixed.
- After the absorbent rolls have been rolled, avoid any traffic that is not necessary. The floor can receive a second rolling in about two hours, in order to assure very close contact of the tiles at every spot.
- **LIQUID CUSHION SP COARSE** is applied, in three layers, diluted in 25% water. The application is done with squeegee.
- Follows the application of **LIQUID CUSHION SP FINE** in two layers, diluted in 25% water. The application is done with squeegee.
- As soon as **LIQUID CUSHION SP FINE** dries (24 hours at 25°C), follows the application of **POLYFLEX COAT SP**.
- And then the final top coating **POLYFLEX TOP SP** in two layers.

CONSUMPTION

1.2kg/m² for 2 layers up to 3.4 kg/m² for 5 layers.

APPLICATION TOOLS

Squeegee. Tools should be cleaned with **WATER** immediately after use.

PACKAGING

Drums, barrels.

STORAGE

One year in unopened containers in dry places with minimum temperature 5°C and maximum temperature 30°C (avoid sunlight).

REMARKS

- In case of extremely rough and sharp cement or asphalt surfaces it is recommended grinding of the surface with a mosaic machine, sandblast or rotor machine before the application.
- During temperatures over 40 C, ideal time for the application of **LIQUID CUSHION SP COARSE** is between 22:00-9:00 a.m. and the minimum bearing temperature during application and drying should be 10 C.
- The freshly coated surface should be protected from high temperatures, wind, rain and frost for at least the first 24 hours.
- In case it gets damaged, it is simply repaired and recoated on the spot.

CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water.

For more information consult the material safety data sheet.

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LIQUID CUSHION SP FINE

VERY ELASTIC, CUSHION, SUB-FLOOR FOR SPORT FIELDS

GENERAL CHARACTERISTICS

LIQUID CUSHION SP FINE is acrylic-based, highly flexible, pasty, wet-pour cushion rubber flooring with SBR granules in granulometry of 0.2-0.5mm, for outdoor or indoor sport courts.

- Applied on asphalt and waterproofed cement surfaces without rising humidity issues, for the creation of a very elastic sub floor of 1-3mm for athletic courts that does not need maintenance.
- Ideal for the creation of very elastic external and internal tennis, basketball, handball, football and volleyball courts etc.
- Applied easily, providing a safe, high quality game.

TECHNICAL DATA

| | |
|---|-----------------------------|
| Basis: | acrylic |
| Appearance: | viscous paste |
| Colors: | black |
| Density: | 0,85-0,95 kg/lt |
| Viscosity: | 20000-30000 mPa sec at 25°C |
| Temperature for the application and drying of the material: | 10 – 40°C |
| Walkability: | after 1 day at 25°C |

PREPARATION-APPLICATION

Applied only on dry surfaces. Protected from arising humidity and free of materials that might prevent bonding e.g. dust, loose particles, grease etc. The success in the application depends on the right preparation of the underlay and use of the material.

- **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and squeegees.
- Priming of the surface with joining resin/primer for the proper adhesion with the subfloor. Application of one or more layers until the surface is saturated. Avoid the creation of puddles of the material. Consumption: 200gr/m² depending on the absorption of the underlay.
- When the primer begins to dry (1 hour usually, depending on ambient temperature), follows the application of the wet-pour mixture of binder & sbr or the special pore filler **POLYFLEX FILLER SP**.
- After one day, **LIQUID CUSHION SP COARSE** is applied, in three layers, diluted in 25% water. The application is done with squeegee.
- Follows the application of **LIQUID CUSHION SP FINE** in two layers, diluted in 25% water. The application is done with squeegee.
- As soon as **LIQUID CUSHION SP FINE** dries (24 hours at 25°C), follows the application of **POLYFLEX COAT SP**.
- And then the final top coating **POLYFLEX TOP SP** in two layers.

CONSUMPTION

0.8-1 kg/m² in two layers.

APPLICATION TOOLS

Squeegee. Tools should be cleaned with **WATER** immediately after use.

PACKAGING

Drums, barrels.

STORAGE

One year in unopened containers in dry places with minimum temperature 5°C and maximum temperature 30°C (avoid sunlight).

REMARKS

- In case of extremely rough and sharp cement or asphalt surfaces it is recommended grinding of the surface with a mosaic machine, sandblast or rotor machine before the application.
 - During temperatures over 40 C, ideal time for the application of **LIQUID CUSHION SP FINE** is between 22:00-9:00 a.m. and the minimum bearing temperature during application and drying should be 10 C.
 - The freshly coated surface should be protected from high temperatures, wind, rain and frost for at least the first 24 hours.
 - In case it gets damaged, it is simply repaired and recoated on the spot.
-

CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water.

For more information consult the material safety data sheet.

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POLYFLEX COAT SP

SPECIAL, ELASTIC, SMOOTH COATING FOR SPORT COURTS

GENERAL CHARACTERISTICS

POLYFLEX COAT SP is acrylic-based, elastic, two component smooth colored coating for sport courts.

Is combined with prefabricated shock- pad roll in thickness of 4mm to 14 mm or a wet-pour acrylic system of **LIQUID CUSHION SP COARSE/FINE** in order to seal the pores and plasticize the floor.

- Ideal for multipurpose courts, basketball, volleyball, handball, football and tennis external or internal courts. Suitable for sports centers, schools, fitness centers, hallways.
- Applied easily, having low cost.
- Provides a safe, high quality game.

TECHNICAL DATA

| | |
|---|--|
| Basis: | one-component acrylic resin |
| Appearance: | viscous liquid |
| Colors: | available in 24 colors form KDF colorchart |
| Viscosity: | 22.000 – 32.000 mPa s at 25°C |
| Density | 1.7 – 1.8 gr/cm ³ |
| Walkability: | after 24 hours at 25°C |
| Temperature for the application and drying of the material: | 10 – 40°C |

PREPARATION-APPLICATION

Applied only on dry surfaces, without rising humidity issues and free of materials that might prevent bonding e.g. dust, loose particles, grease etc. The success in the application depends on the right preparation of the underlay and use of the material.

- **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and squeegees.
- The resin component should be thoroughly stirred to incorporate any slight separation, whilst continuing stirring the contents of the hardener container should be added. Continue stirring until a homogeneous mix is obtained.
- Application of the material in three or more layers, for sealing the pores of the underlay and plasticize the surface.
- Application is done with squeegee, beginning from one edge of the area, going down to the other edge in one squeegee strip, then turning back on the opposite direction overlapping the previous strip by 20-30 cm or so and continuing the same way. Possible traces of the squeegee edges will have to be smoothed out with the squeegee or other tool (e.g. trowel). The next layer follows the other after the previous starts to dry.
- Depending on the ambient temperature, **POLYFLEX COAT SP** is diluted with 3-4% water, prior to application, in order to achieve better fluidity.
- Before the application of the second layer and after the application of the final layer (before apply **POLYFLEX TOP SP**), always use a sanding machine.

-
- The next day, depending ambient temperature follows application of final to coating **POLYFLEX TOP SP** in 2 crossing layers by a short-haired mohair roller or even better by airless sprayer.
-

CONSUMPTION

1.8 kg/m² three layers at least.

APPLICATION TOOLS

Rubber squeegees. Tools should be cleaned with **WATER** immediately after use.

PACKAGING

Supplied in barrels of 200 Kg.

STORAGE

12 months in unopened containers in dry places with minimum temperature 5°C and high temperature 30°C (avoid sunlight).

REMARKS

- During temperatures over 38 C, ideal time for the application of **POLYFLEX COAT SP** is between 22:00-9:00 a.m. and the minimum bearing temperature during application and drying should be 10 C.
 - The freshly coated surface should be protected from high temperatures and frost for at least the first 24 hours.
 - In case it gets damaged, it is simply repaired and recoated on the spot.
-

CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water.

For more information consult the material safety data sheet.

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POLYFLEX TOP SP

UV-RESISTANT, POLYURETHANE-BASED, TWO-COMPONENT, FINISH ALIPHATIC COATING

GENERAL CHARACTERISTICS

POLYFLEX TOP SP is a polyurethane, two-component, solvent-based, finish aliphatic coating for outdoor and indoor sports surfaces.

- It is applied as a final, sealing layer on top of **POLYFLEX SILICON PU SYSTEM**.
- Provides a surface with exceptional resistance in abrasion and various chemical agents.
- It is UV-resistant and thus absolutely suitable for outdoor surfaces.

TECHNICAL DATA

| | |
|---|----------------------------------|
| Basis: | two-component polyurethane paint |
| Appearance: | liquid |
| Colors: | KDF colorchart |
| Viscosity(25°C): | 1000-3500 mPas |
| Density(25°C): | 1.38-1.48 kg/l |
| Mixing proportion (A:B): | 85:15 by weight |
| Temperature for the application and drying of the material: | 15 – 40°C |

PREPARATION-APPLICATION

- Good, dry cleaning of the surface from dust and residues using vacuum cleaner and squeegees.
- Caution must be taken so that temperature of the support surface as well as ambient air remains above 15°C during application and curing of the materials while relative humidity does not exceed 75%.
- The resin component should be thoroughly stirred to incorporate any slight separation, whilst continuing stirring the contents of the hardener container should be added. Continue stirring until a homogeneous mix is obtained.
- Airless sprayer or short-haired mohair roller can apply **POLYFLEX TOP SP**.

CONSUMPTION

App.200-500 gr/m², depending on the substrate. Apply two coats at least.

PACKAGING

5kg, 15kg set (A+B).

STORAGE

12 months in unopened containers in dry places with minimum temperature 5°C and maximum temperature 30°C (avoid sunlight).

REMARKS

- Working time of **POLYFLEX TOP SP** decreases when ambient temperature rises.
- Prolonged storage of partially used containers containing **POLYFLEX TOP SP** must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.
- After hardening **POLYFLEX TOP SP** is completely safe for health.
- The two layers of **POLYFLEX TOP SP** will have to be applied strictly within 24 hours of one another (European conditions) **or within 3-6 hours (GCC high-temperature conditions)** in order to cover the surface swiftly and protect it from unwanted weather or other adverse conditions (sand dust, accumulated dirt or foreign matter etc.). In case the 24-hour limit (Europe) or the 3-6-hour limit (GCC) is surpassed or weather or other adverse conditions interfere between layers at any time, the surface might need sanding again to restore smoothness and cleanliness before applying subsequent layers of the aliphatic top coat.

CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water.

For more information consult the material safety data sheet.

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of KDF LTD.

CLEANING AND MAINTENANCE MANUAL FOR :

-OUTDOOR SPORTS FLOORING

-PLAYGROUND FLOORINGS

Introduction

Outdoor sports floorings and playground surfaces are made of extremely durable polymers, designed to withstand extreme climate conditions and intense use. However for the best maintenance of the rubber and sport surface a regular check (once in 6 months) is required and the maintenance of the surface is necessary to preserve the suitability of the surface (sand pits, areas of vegetation) which could leave algae, moss and leaf deposits.

The installer's guarantee will usually be conditional on the recommended maintenance requirements being carried out with due diligence.

Maintenance

Maintenance procedures are necessary to preserve the lifetime of the surface and to ensure that:

- The Surface is kept clean.
- The Surface is safe for intense diverse use and all types of users.
- The facility looks attractive.

These objectives are achieved by :

- Sweeping/scraping/removing leaves and other debris and foreign matter from the surface.
- Regularly washing the surface to remove contaminants such as grime, grease, algae, moss, sand, foreign matter etc.
- Applying suitable treatments of moss-killer and/or algacide
- Periodically removing weed growth from the perimeter kerb lines.

Maintenance Equipment

Leaves, pine needles and other detritus should not be allowed to remain on the surface for any length of time. If this does happen, they rapidly rot down, forming a contaminating "skin" on the surface and providing a growth media for algae and moss.

A mechanical leaf-sweeper or vacuum cleaner is ideal for removing vegetable matter and dirt. Restricted areas may have to be cleaned by hand.

The equipment should be well maintained and carefully operated to avoid contamination of, or physical damage to, the surface. Spillage of fuel or lubricating oil will damage the surface.

The pressure loading on the surface as well as the friction and shearing loads have to be kept to a minimum to prevent damage to the surface. Large pneumatic tires and soft brushes along with careful operating of the machinery, is recommended to avoid any damage on the surface.

A mechanical leaf-sweeper or vacuum cleaner is ideal for removing vegetable matter and dirt. Restricted areas may have to be cleaned by hand.

The equipment should be well maintained and carefully operated to avoid contamination of, or physical damage to, the surface. Spillage of fuel or lubricating oil will damage the surface.

The pressure loading on the surface as well as the friction and shearing loads have to be kept to a minimum to prevent damage to the surface. Large pneumatic tires and soft brushes along with careful operating of the machinery, is recommended to avoid any damage on the surface.

At least once a year it is advisable to wash the surface with low-pressure jetting apparatus.

Polymeric surfaces can withstand low pressures without suffering damage.

Note that no aggressive chemical cleaning agents (chlorine or acid-based) should be used; normal neutral market detergents are adequate.

Prevention of damages

To ensure maintaining the surfaces to a high standard, restrictions should be imposed on the use of the surface.

- In general no vehicles should be permitted to drive on the outdoor sports/playground surface.
- No chemicals, oils, fuel or solvents should be allowed on the surface.
- No fireworks or cigarettes or inadequate shoes should be allowed on the synthetic surface.

Damages and renovation

The lifetime of an outdoor sports/playground surface depends on its quality, usage and level of maintenance. In general a normal outdoor sports/playground surface used intensively will last 7 to 12 years (depending on the system) before renovation is required. Renovation should be carried out periodically to prevent the total damage of the surface, which would necessitate complete renewal.

Renovation must be carried out by professional and skilled contractors with thorough knowledge of this type of work

There are different procedures for the renovation of a surface:

- Complete renewal by replacing the worn-out surface with a new sports flooring system.
- Re-topping or sealing with adequate polyurethane or acrylic materials.
- Partial re-topping in particular worn-out areas.

Information contained in this document is of general nature and is given in good faith. As the state of the surface and the use and application of the various cleaning products, is out of our control, our advice for individual cases, verbal, written or based on tests, does not exempt the applicator from the testing the suitability of the cleaning products and their applications.

The above maintenance guide refers to **the below KDF systems:**

- SYSTEM SPORTFLOOR-EX**
- SYSTEM SPORTFLOOR-EX FAST**
- SYSTEM FLEXFLOOR-EX**
- SYSTEM POLYFLEX AEL-EX**
- SYSTEM POLYFLEX WET POUR AEL-EX**
- SYSTEM POLYFLEX PU-EX**
- SYSTEM POLYFLEX WET POUR PU - EX**
- SYSTEM POLYFLEX SILICON PU**
- SYSTEM POLYFLEX SILICON PU-WT**
- SYSTEM POLYFLEX SILICON PU SHOCK-PAD**
- SYSTEM SMARTFLOOR-EX**
- SYSTEM SAFEPOL MULTICOLOR**
- SYSTEM SAFEPOL WITH TPV GRANULES**
- SYSTEM SAFEPOL SBR COLOURANT**
- SYSTEM SAFEPOL COLORED**
- SYSTEM SAFEPOL SANDPROOF**
- SYSTEM QUICKLAWN PLAYGROUND SAFEPOL**
- SYSTEM QUICKLAWN PLAYGROUND SAFEPOLSANDPROOF**
- SYSTEM COLORFLEX**
- SYSTEM SPORTGROUND-EX**
- SYSTEM POLTRACK SPRAYCOAT**
- SYSTEM POLTRACK SPRAYCOAT SEALED**
- SYSTEM POLTRACK SANDWICH**
- SYSTEM POLTRACK SANDWICH IN ROLLS**
- SYSTEM POLTRACK FULL PU**
- SYSTEM POLTRACK ACRYLIC**
- SYSTEM POLTRACK JOGGING TRACK**
- SYSTEM POLTRACK PU JOGGING TRACK**

-SYSTEM POLTRACK JOGGING TRACK SBR

-SYSTEM POLTRACK JOGGING TRACK SHOCK-PAD - EPDM

-SYSTEM POLTRACK JOGGING TRACK SHOCK-PAD - ISOPOL

-SYSTEM POLTRACK EQUINE

[illegible]



International Association of Athletics Federations

Product Certificate

The IAAF is pleased to certify hereby that the following product:

| | |
|--------------------------------|-------------------------------|
| Product Name: | Spartan® Synthetic Turfgrass |
| Manufacturer: | Spartan Turf, USA |
| Manufacturer's Address: | Rockledge, Florida 32955, USA |
| Manufacturer's Phone: | |
| IAAF Reference No.: | 12-10-0077 |

We hereby certify that the above product complies with the requirements for use in all international athletic competitions.

Cert. Report No. 12052001-1, 14 December 2010, Shaw (10) Sport 2010

| | |
|-----------------------------|-----------------|
| Signature: | 1 January 2011 |
| IAAF Representative: | Christoph Beyer |



CHRISTOPH BEYER
IAAF President



IAAF Representative





Product Certificate

The IAAF is pleased to certify hereby that the following product

| | |
|---------------------|----------------------------------|
| Product Name | Synthetic surface, Run and Field |
| Manufacturer | Shenhai Co., Ltd. |
| Product Name | Synthetic Turfgrass (2011, 2012) |
| Product Name | |
| Product Name | |

This is to certify that the above mentioned product is in full compliance with the IAAF Technical Regulations for Synthetic Turfgrass (2011, 2012).

1 January 2012

IAAF



IAAF Representative



Manufacturer Representative





PRODUCT CERTIFICATE

World Athletics is pleased to certify that the following product meets all the technical requirements of the World Athletics Rules for the relevant competition.

| | |
|--|--|
| <p style="margin: 10px 0;">Product Name Synthetic surface Polysport Fyb PU</p> <p style="margin: 10px 0;">Description (Include/Exclude Trackmark) Fyb PU, 11,0mm</p> <p style="margin: 10px 0;">Certifying Body, Country Katzenberg Deponen (110-800) CRE</p> <p style="margin: 10px 0;">Certification Number 5-10-0287</p> <p style="margin: 10px 0;">No. 200626, Trackmarker (Trackmark) Co. 1.05/7496/ 30 June 2020</p> | <p style="margin: 10px 0;">Date of Issue 1 September 2020</p> |
| <p style="margin: 10px 0;">Date of Validity September 2024</p> | <p style="margin: 10px 0;">Date of Issue 1 September 2020</p> |

Issued in accordance with the terms and conditions of the World Athletics Certification System




Jan Ridgway
World Athletics CEO

[illegible]



**WORLD
ATHLETICS**

PRODUCT CERTIFICATE

World Athletics is pleased to certify that the following product meets all the technical requirements of the World Athletics Rules for the relevant competitions.

Product Name: **Synthetic surface, Polyurethane Full PU**

Manufacturer/Manufacturer's Address: **Full PU, 11, Dae**

Country/Place of Origin: **Katowice Synspex Sp. z o.o., G1E**

Certificate Number: **15-02-0297**

Valid Until: **30 June 2020**

Issued in accordance with the terms and conditions of the World Athletics Certification System

Signature of Issuer:



Jan Magnan
World Athletics CEO



The image shows the ITF logo at the top left, consisting of the letters 'ITF' in a bold, sans-serif font with a stylized tennis ball graphic to the right. Below the logo, the words 'CLASSIFIED COURT PACE' are written in a large, bold, sans-serif font. To the right of this text, a large number '2' is displayed, with the words 'MEDIUM-SLOW' written in a smaller, bold, sans-serif font underneath it. The background is a solid light blue color.



CLASSIFIED COURT PACE

4

MEDIUM-FAST

Sportfloor-Ex-Hard
Court (Elastosport 853
resurfacier + Elastoturf 851

as supplied by
Kataskeves Dapedon Ltd

has been classified as

CATEGORY 4 – MEDIUM-FAST

Expiry Date: 14 July 2019



ITF
 International Tennis Federation

Approved Court Games
 Management, Inspection & Maintenance



This Classification was awarded based on the following information submitted:
 documents were supplied by the Supplier to ITF

SPORTFLOOR-EX

CERTIFICATES OF KDF Ltd



SPORTFLOOR-EX FAST



SPORTGROUND-EX



POLTRACK JOGGING TRACK



POLYFLEX PU



SAFEPOL



SAFEPOL



FIBA POLYFLEX PU



EPDM 856



SAFEPOL SANDPROOF

CERTIFICATES OF KDF Ltd



SAFEPOL SANDPROOF



PLAYPREM



POLTRACK EQUINE



POLYFLEX PU-BADMINTON



**PAH TEST REPORT
PU BINDER 1118**



**PAH TEST REPORT
PU BINDER 1125 AL**



**PAH TEST REPORT
EPDM 856**



**PAH TEST REPORT
PU BINDER plus EPDM 856**



PU GRASS 149

CERTIFICATES OF KDF Ltd

ACOUSTOscan

Laboratory Report

Assessment of KDF for the performance of EN14877:2012 laboratory test requirements for synthetic surfaces intended for athletic facilities

Product: Poltrack Sandwich System

Client:

| | |
|----------|--|
| Company: | KDF - Acoustics Systems Ltd |
| Contact: | Operations Dept, 11022 Throckmole, 20000 |

Description of Surface:

Supplier name: KDF

Item: EN14877

System installed: Poltrack Sandwich System



Page 1 of 1

**POLTRACK SANDWICH
EN 14877**

ACOUSTOscan

Laboratory Report

Assessment of KDF for the performance of EN14877:2012 laboratory test requirements for synthetic surfaces intended for athletic facilities

Product: Poltrack Spraycoat System

Client:

| | |
|----------|--|
| Company: | KDF - Acoustics Systems Ltd |
| Contact: | Operations Dept, 11022 Throckmole, 20000 |

Description of Surface:

Supplier name: KDF - Acoustics Systems Ltd

Item: EN14877

System installed: Poltrack Spraycoat System



Page 1 of 1

**POLTRACK SPRAYCOAT
EN 14877**

ACOUSTOscan

Laboratory Report

Assessment of KDF for the performance of EN14877:2012 laboratory test requirements for synthetic surfaces intended for athletic facilities

Product: Colorflex System

Client:

| | |
|----------|--|
| Company: | KDF - Acoustics Systems Ltd |
| Contact: | Operations Dept, 11022 Throckmole, 20000 |

Description of Surface:

Supplier name: KDF

Item: EN14877

System installed: Colorflex System



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COLORFLEX EN 14877