KDF

Sports Flooring Systems & Building Materials

# POLTRACK PU JOGGING TRACK

www.kdf.gr

**KDF LTD** (www.kdf.gr) is one of the most dynamic and export-oriented Greek companies (currently activated in more than 55 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

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# 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** - 10000m$^{2,}$ Bicycle track

**-ANASTASIA KELESIDOU STADIUM - THESSALONIKI, GREECE** - 10000m$^2$ - Re-ropping project, Running track, Sandwich system

**-ABHA STADIUM - K.S.A** - 9000m$^{2,}$ - POLTRACK SANDWICH system

**-ABU DHABI STADIUM - U.A.E** - 9000m$^{2,}$ - Artificial Grass, POLITURF LEADER 55140

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

**-MINISTRY OF EDUCATION IN KUWAIT - KUWAIT -** 8000m$^2$ - Polyurethane flooring, Polyflex Pu-In system

**-SALAM STREET & MINA ROAD, ABU DHABI, U.A.E** - 8000m$^2$ Bicycle track, Sportground-Ex system

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

**-MUNICIPALITY OF VELVENTO - KOZANI, GREECE** - 8000m$^2$, Running track

**-PRINCE FAISAL STADIUM IN RIYADH - K.S.A** - 8000m$^2$, Running track, POLTRACK SANDWICH system

**-ABBHA, KSA -** 7600m² - Running track

**-MUNICIPALITY OF ZENICA - ZENICA, BOSNIA & HERZEGOVINA** - 7500m$^2$, Poltrack Spraycoat, Running track

**-ADNOC SCHOOLS - U.A.E** - 7000m$^2$ - 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 -** 6300m$^2$- 8-lane Running track, POLTRACK SANDWICH SYSTEM

**-CORNISH, JEDDAH, K.S.A** - 6000m$^2$ Bicycle track Sportground-Ex system

**-ARTIFICIAL GRASS PROJECT - ATHENS, GREECE** - 5700m$^2$, Artficial grass

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

**-AMITY INTERNATIONAL SCHOOL - ABHU DHABI, U.A.E** - 5500m$^2$, 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** - 5000m$^2$ 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** - 4500m$^2$, Running track

**-STADIUM OF ISLAMIC CITY OF BAWATH IN AL-AZHAR - EGYPT -** 4500m$^2$- 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** - 4000m$^2$- Poltrack Spraycoat, Running Track

**-EMIRATES INTERNATIONAL SCHOOL - DUBAI, U.A.E** - 4000m$^2$ - Safepol System, Playground flooring

**-RUNNING TRACK PROJECT IN QATAR** - 4000m$^2$, Poltrack Spraycoat system

**-RUNNING TRACK PROJECT IN SAMOS - GREECE** - 4000m$^2$, 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 -** 3600m$^2$ - RunningTrack, Poltrack Spraycoat system

**-ANATOLIA GOLLEGE - THESSALONIKI, GREECE** - 3600m$^2$, Running track

**-AIMARJAN ASLAND – PARTIAL** - 3600m$^2$- 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** - 3500m$^2$- 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** - 3200m$^2$- Poltrack Sandwich, Running Track

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

**-SPORTS CLUB CENTER - SERVIA, GREECE** - 3200m$^2$ - Poltrack Sandwich, Running Track

**-STADIUM CENTER - UKRAINE -** 3200m$^2$ - RunningTrack, Poltrack Spraycoat system

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

**-ISLAMIC WORLD GARDEN - SHARJA, U.A.E** - 3000m$^2$- Safety flooring, SAFEPOL MULTICOLOR system

**-AL FAIOUM UNIVERSITY - FAIOUM, EGYPT** - 3000m$^2$- Polyurethane indoor flooring, Polyflex PU-IN system

**-WADY DEGLA OCTOBER CLUB - CAIRO, EGYPT** - 3000m$^2$ - Acrylic sports courts

**-SPORTS CLUB CENTER ‘’PAPAGOU’’- ATHENS, GREEC**E - 3000m$^2$- Poltrack Sandwich, Running Track

**-PANORAMA SPORTS COMPLEX - THESSALONIKI, GREECE** - 3000m$^2$, Running track

**-BENHA SPORTS CITY - EGYPT** - 3000m$^2$ - Acrylic sports courts

**-ISLAMIC WORLD GARDEN - U.A.E** - 3000m$^2$ - Playground flooring, SAFEPOL MULTICOLOR system

**-INDIAN ARMY - SAGAR, INDIA** - 2800m$^2$- 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**-2700m$^2$-Acrylic sports courts

**-RESORT IN RED SEA - EGYPT -** 2700m$^2$- Acrylic sports courts, FLEXFLOOR-EX system

**-OUR OWN GOLF SCHOOL** - 2700m$^2$- Poltrack Spraycoat, RunningTrack

**-STADIUM STUDENTSKA, SPORTS COMPLEX - BARNA, BOULGARIA** - 2700m$^2$ -Acrylic sports courts, SPORTFLOOR-EX system

**-RAKS PALLIKOODAM SCHOOL - INDIA** - 2600m$^2$ - Acrylic sports courts, FLEXFLOOR-EX system

**-DPS GUNTUR SITE, NEW DELHI INDIA** - 2600m$^2$ - Acrylic sports courts, SPORTFLOOR-EX system

**-KURNISH AL KHOBAR - K.S.A** - 2500m$^2$ - 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 GOVERMENT - EGYPT** - 2000$m^2$ - Running track, Poltrack Spraycoat Sealed System
**-AL WAKAIR BOYS SCHOOL - AL WAKRAH, QATAR** - 1950 m² - Polyurethane, outdoor sport flooring
**-THE LAKE DISTRICT - PUNE, INDIA** - 1950$m^2$- Acrylic sports courts
**-PRESIDENTIAL GUARD COMMANDM 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
**-SHOOLS 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 SCOOLS OF CIVIL - RIYADH, KSA** - 1650m² - PU glue/Socccer field
**-PLAYGROUND FLOORING PROJECT IN QATAR** - 1650m² - SAFEPOL MULTICOLOR system
**-GD GOENKA PUBLIC SCHOLL - PURNIA, INDIA** - 1630$m^2$- 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** - 1600$m^2$ - Acrylic sports courts, FLEXFLOOR-EX system
**-GRACANICA SPORTS CENTRE - KOSOVO** - 1600$m^2$ - 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** - 1500$m^2$ - Smartfloor system, Acrylic flooring
**-INDUSTRIAL FLOORING - BULGARIA -** 1500$m^2$ - Epoxy flooring, Polepox Coat 814 system
**-SCHOOL IN AL WAKRA CITY - DOHA, QATAR** - 1500 m² - Playground flooring
**-IRAQ ARMY CAMP - IRAQ** - 1500$m^2$ - Acrylic flooring in 2,2mm
**-AL FORSHAN SPORTS CENTRE - ABU DHABI, U.A.E** - 1500$m^2$ - Smartfloor system, Acrylic flooring
**-INDUSTRIAL FLOORING - BULGARIA -** 1500$m^2$ - Epoxy flooring, Polepox Coat 814 system

**-SCHOOL IN AL WAKRA CITY - DOHA, QATAR** - 1500 m² - Playground flooring
**-IRAQ ARMY CAMP - IRAQ** - 1500m$^2$ - 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** - 1500m$^2$- Poltrack Spraycoat, RunningTrack
**-OUTDOOR SPORTS COURT COMPLEX - INDIA** -1400m$^2$- PU flooring, WET-POUR POLYFLEX PU-EX system
**-INDIAN AIR FORCE - ALLAHABAD, INDIA** - 1450m$^2$ - 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** - 1300m$^2$ - 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** - 1250m$^2$- 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** - 1200m$^2$- 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** - 1200$m^2$, Running Track, POLTRACK SPRAYCOAT system

**-EGYPT RUNING TRACK PROJECT** - 1200$m^2$, Running Track, POLTRACK SANDWICH system

**-ALIGARH MUSLIM UNIVERSITY - ALIGARH, INDIA** - 1200 m² - Acrylic sports courts, FLEXFLOOR-EX system

**-SUMMER RESORT, KIDS PALY AREA - CHALKIDIKI, GREECE** - 1200 m² - Playground flooring, SAFEPOL

**-SPORTS FLOOR PROJECT IN PAKISTAN** - 1200 m² - Acrylic sports courts, POLYFLEX AEL-EX

**-SYMBIOSIS COLLEGE - INDIA** - 1180$m^2$- Acrylic sports courts

**-PROFESSOR ABDULAZIZ ANQARI - RIYADH, KSA** -1150m² - PU glue/Socccer 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** - 1070$m^2$- 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 -** 1000$m^2$ - Outdoor polyurethane flooring

**-INDIAN AIR FORCE - AGRA, INDIA** - 1000$m^2$ - Acrylic sports courts

**-INDONESIA** - 1000 m² - PU indoor multipurpose sports flooring

**-INDIAN AIR FORCE - LUCKNOW, INDIA** - 1000$m^2$ - Acrylic sports courts

**-MULTIPURPOSE POLYURTEHANE INDOOR COURTS - F.Y.R.O.M** - 1000$m^2$ - Polyflex PU-In system

**-SODIC PROJECT - EGYPT** - 1000m2, Multipurpose court, COLORFLEX system

**-INDIAN AIR FORCE - VARANASI, INDIA** - 1000$m^2$ - Acrylic sports courts

**-INTERNATIONAL SCHOOL OF CREATIVE SCHIENCE - SHARJAH, U.A.E** - 1000$m^2$ - Safepol System

**-INDIAN AIR FORCE - BIHTA, INDIA** - 1000$m^2$ - Acrylic sports courts

**-INDIAN AIR FORCE - DARBHANGA, INDIA** - 1000$m^2$ - Acrylic sports courts

**-AL AIN INDIAN SCHOOL - AL AIN, UAE** - 1000m² - Football court

**-DUBAI SCHOLRAS PRIVATE SCHOOL - DUBAI, U.A.E** - 1000$m^2$ - Acrylic flooring in 2,2mm

**-OBOOR SPORTS CLUB - EGYPT** - 1000$m^2$ - Acrylic flooring

**-INDOOR SPORTS PROJECT IN OMAN - MINISTRY OF EDUCATION** - 1000$m^2$ - 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 -** 850m$^2$ - Acrylic sports courts, FLEXFLOOR-EX system

**-GALGOTIAS UNIVERSITY - NOIDA, INDIA** - 830m$^2$- 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** - 720m$^2$- 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 KHAIMH, 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** - 700m$^2$ - Basketball court, Acrylic flooring

**-AIRFORCE SURBOTO PARK - NEW DELHI, INDIA** - 680 m² - Polyurethane outdoor sports flooring

**-INDIAN ARMY - DHRANGDHARA, INDIA** - 670m$^2$ - Acrylic sports courts

**-MT.SAINT PATRICK ACADEMY - INDIA** - 665m$^2$- Acrylic sports courts

**-RAJIV GANDHI THERMAL POWER PLANT - HISAR, INDIA** - 650m$^2$ - Acrylic sports courts, FLEXFLOOR-EX system

**-JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPURAMU - ANANTAPUR, INDIA** - 650m$^2$ - 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 -** 610$m^2$- Acrylic sports courts, FLEXFLOOR-EX system
**-VAISHNO DEVI - DELHI, INDIA** - 608m² - Polyurethane outdoor sports flooring
**-EQUINE FLOORING - BAHRAIN** - 600m², POLTRACK EQUESTRIAN SYSTEM
**-THAILAND** - 600$m^2$- Acrylic sports courts
**-INDIAN ARMY - AGRA, INDIA** - 600$m^2$- Acrylic sports courts
**-THE INTERNATIONAL SCHOOL - AGRA, INDIA** - 600$m^2$- Acrylic sports courts
**-INDIAN ARMY - JHANSI, INDIA** - 600$m^2$- 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** - 600$m^2$- Acrylic sports courts, FLEXFLOOR-EX system
**-ST. ANTHONY'S SENIOR SECONDARY SCHOOL - FARRUKHABAD, INDIA** - 600$m^2$- Acrylic sports courts, FLEXFLOOR-EX system
**-SKATING FOR KIDS - GUJARAT, INDIA -** 600m² - Sportfloor system
**-IMS COLLEGE - GHAZIABAD, INDIA** - 600$m^2$- Acrylic sports courts, FLEXFLOOR-EX system
**-GALGOTIAS COLLEGE OF ENGINEERING - GR. NOIDA, INDIA** - 600$m^2$- 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** - 560$m^2$- Acrylic sports courts
**-LEADERS INTERNATIONAL SCHOOLS - EGYPT** - 560$m^2$- PU sports courts
**-PLAYGROUND FLOORING PROJECT IN SINGAPORE** - 550$m^2$- SAFEPOL MULTICOLOR system
**-ARMY LAW COLLEGE PUNE- PUNE, INDIA -** 550$m^2$- 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** - 511$m^2$- Acrylic sports courts

**-KUNAL ICONIA - INDIA** - 510$m^2$- 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 SHOOL - 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

**-KING SAUDI UNIVERSITY - RIYADH, K.S.A** - Running track, POLTRAC SPRAYCOAT ASYSTEM

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

# PHOTOGRAPHS OF PROJECTS

# PAH TEST REPORT
# PU BINDER 1118

Intertek Consumer Goods GmbH · Wórzburger Straíe 152 · 90766 Fórth · Germany

**KATASKEVES DAPEDON LTD - KDF**
MRS. Maria Nikolaidoy
Mitropoleos 19
**54024 Thessaloniki**
**GREECE**

Fórth, May 11/2020

## TEST REPORT No. FUTYP2020-01959-A

Date sample received: March 06/2020
Period of testing: March 19/2020 – April 29/2020
Technical Director: Kerstin Scharrer

**Sample description:** **PU Binder 1118**

*For the test results please refer to next pages*

## Test order

Test of a product for migration of certain elements acc. to EN 71 part 3

| Summary | Results |
|---|---|
| DIN EN 71-3 (Safety of toys) – Migration of certain elements | *pass* |

**Sample description:**

| | |
|---|---|
| No. 22: | PU binder |

## Test results

Abbreviations:
n.d. = not determinable (< LoQ)
LoQ = limit of quantification

### 1. Migration of certain elements

### 1.1 Migration of certain elements -17 Elements- according to DIN EN 71-3

Sampling, extraction: DIN EN 71-3:2019-08
Measurement: ICP-OES: DIN EN ISO 11885:2009-09 / Hg: DIN EN ISO 17852:2008-04 (AFS)

**Test results in mg/kg**

| Parameter | LoQ | limit value category III | Sample No. 22 |
|---|---|---|---|
| Aluminium | 10 | 70 000 *(28 130)*[y] | n.d. |
| Antimony | 2 | 560 | n.d. |
| Arsenic | 1 | 47 | n.d. |
| Barium | 10 | 18 750 | n.d. |
| Boron | 10 | 15 000 | n.d. |
| Cadmium | 0.1 | 17 | n.d. |
| Chromium (III) | 3 | 460 | n.d. |
| Cobalt | 1 | 130 | n.d. |
| Copper | 10 | 7 700 | n.d. |
| Lead | 0.5 | 23 | n.d. |
| Manganese | 10 | 15 000 | n.d. |
| Mercury | 0.5 | 94 | n.d. |
| Nickel | 5 | 930 | n.d. |
| Selenium | 2 | 460 | n.d. |
| Strontium | 10 | 56 000 | n.d. |
| Tin | 3 | 180 000 | n.d. |
| Zinc | 10 | 46 000 | n.d. |

[y] *new limit for Aluminium valid as of May 20th, 2021; see directive (EU) 2019/1922*

## 1.2 Migration of certain elements -Chromium VI- according to DIN EN 71-3

Sampling, extraction: DIN EN 71-3:2019-08
Measurement IC- Matrix Elimination

**Test results in mg/kg**

| | LoQ | limit value category III | Sample No. 22 |
|---|---|---|---|
| Chromium VI | 0.01 | 0.053 | n.d. |

**Conclusion**

The tested sample of the presented product "**PU Binder 1118**" conforms to the requirements of DIN EN 71 Part 3 category 3.

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Amtsgericht Fórth, HRB 5756
USt-IdNr. DE169317871

Geschδftsfóhrer
Reinhold Gehling

## 1.2 Migration of certain elements -Chromium VI- according to DIN EN 71-3

Sampling, extraction: DIN EN 71-3:2019-08
Measurement IC- Matrix Elimination

**Test results in mg/kg**

| | LoQ | limit value category III | Sample No. 22 |
|---|---|---|---|
| Chromium VI | 0.01 | 0.053 | n.d. |

**Conclusion**

The tested sample of the presented product "**PU Binder 1118**" conforms to the requirements of DIN EN 71 Part 3 category 3.

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Geschδftsfóhrer
Reinhold Gehling

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END OF REPORT

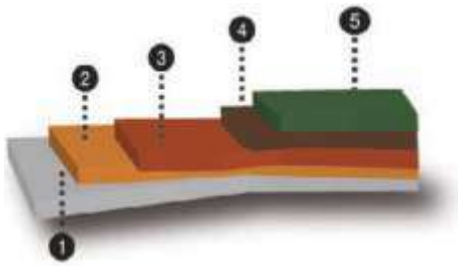
KDF

# JOGGING TRACKS

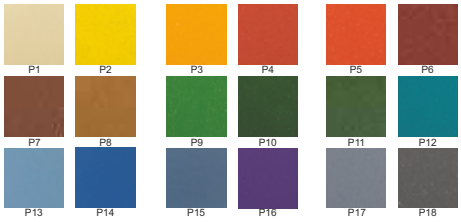
## POLTRACK PU JOGGING TRACK

Elastic, seamless, flexible colored flooring, ideal for jogging tracks in total thickness of 18mm.
It consists of a shock-pad base of **PU BINDER 1118** with **RECYCLED RUBBER 858**. Follows the PU, flexible pore filler coating **POLYSPORT STUCCO 1050**, and then the PU self-leveling coating, **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 flooring.**
   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$^2$ for 2 layers |
| PU BINDER 1118 - Polyurethane binder. | 1.92kg/m$^2$ for 16mm mixture |
| RECYCLED RUBBER 858 - SBR granules in granulometry of 0.5-2mm. | 9.6kg/m$^2$ for 16mm mixture |
| POLYSPORT STUCCO 1050 - Polyurethane, elastic, two-component pore filler. | 1.3-1.5kg/m$^2$ for 2 layers |
| POLYSPORT PU 1051 - Polyurethane, self-leveling, two-component coat for outdoor sports surfaces. | 2-2.2kg/m$^2$ for 1 layer |
| POLYSPORT 1056 - UV-resistant, polyurethane, two-component, top coating for outdoor sports flooring. | 0.3kg/m$^2$ for 2 layers |

**POLTRACK PU JOGGING TRACK SYSTEM**

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Elastic, seamless, flexible colored flooring, ideal for jogging tracks in total thickness of 18mm.
It consists of a shock-pad base of **PU BINDER 1118** with **RECYCLED RUBBER 858**. Follows the PU, flexible pore filler coating **POLYSPORT STUCCO 1050**, and then the PU self-leveling coating, **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.

**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.

- Priming of the surface with polyurethane primer **PU PRIMER 870** with an airless sprayer or brush**.** Consumption: 0,2 kg/$m^2$ in two layers.
- After 5-12 hours and when the primer is almost dry but not completely, application of the mixture of **PU BINDER 1118 and RECYCLE RUBBER 858** SBR granules with paver machine. The mixing should be performed using a low revolution mixer (300-600 rpm) for 1-2 min until a uniform mass is obtained.
- Afterwards when the surface of the base layer is dry, follows the application of polyurethane pore filler **POLYSPORT STUCCO 1050** with flat metal trowel to create a completely non porous surface**.** Consumption: 1,3-1,5 kg/$m^2$ in 2 layers.
- The next day, depending ambient temperature, follows application of **POLYSPORT PU 1051**. Components A (resin) & B (hardener). The mixed material must be used within 20-30 minutes of mixing at 25ºC. The polyurethane mixture is poured on the floor and spread using V-notch trowel, 5,5mm. Consumption: 2,0 - 2,2 kg/$m^2$ in one layer.
- Following the application of **POLYSPORT PU 1051**, the self-leveling layer should be rolled using a special spiky-roller in order to release any possibly entrapped air and avoid the formation of bubbles. Sanding of the surface should be done after drying.
- After the sanding the whole surface, follows the application of polyurethane UV-resistant, aliphatic two component resin **POLYSPORT 1056** in two cross layers by airless sprayer or by rollers. Consumption: 0,3kg/$m^2$ in 2 layers.

**Important Remarks**

- During temperatures over 40 degrees, ideal time for the application of **POLTRACK PU JOGGING TRACK** is between 22:00 and 09:00. The minimum bearing temperature during application and drying should be over 10$^{o}$C.
- In case the second layer of PU pore filler is applied after more than 24 hours of the application of the first one then the whole surface must be sanded by a special sanding machine. After that the second layer can be applied.
- In case the second layer of PU top coat is applied after more than 24 hours of the application of the first one then the whole surface must be sanded by a special sanding machine. After that the second layer can be applied.
- The freshly coated surface should be protected from high temperatures, wind, rain and frost for at least the first 24 hours.

**Substrate**

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

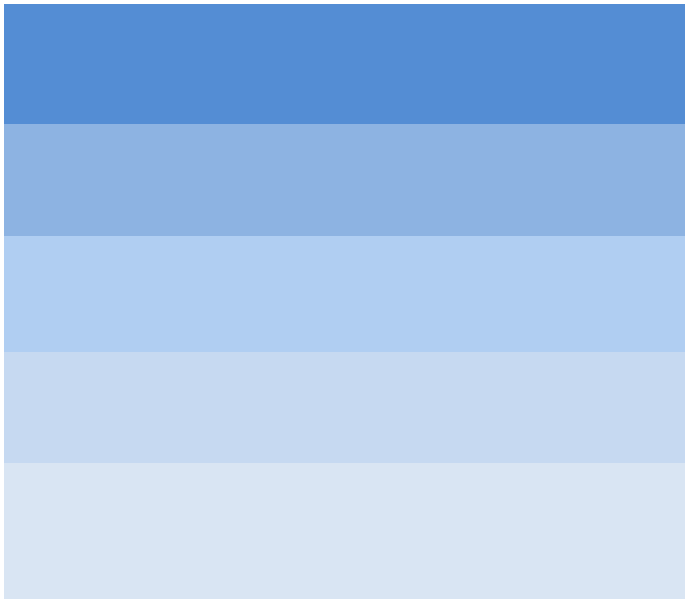
**A. Asphalt Substrate**

**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



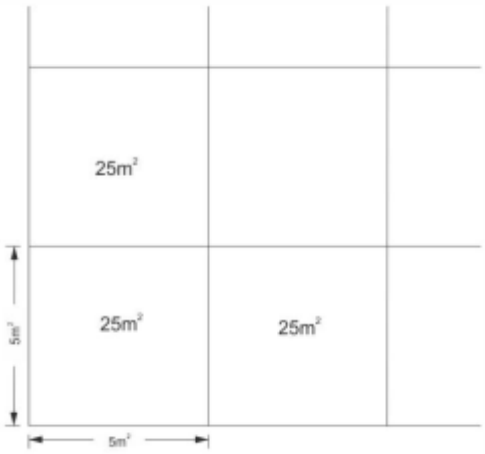

**B. Concrete Surface**

**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.




| | | |
|---|---|---|
| **SUBSTRATE REQUIREMENTS** | 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.

EDITION: MAY 2019

# 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/m$^2$ 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.<br>- 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.<br><br>**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.

EDITION: OCTOBER 2020

# 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. |

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## 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)**.

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**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.**
- 20% **PU BINDER 1118** and 80% **RECYCLED RUBBER 858 for SAFEPOL COLOURANT.**
- 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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EDITION: MAY 2019

# 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/cm³ |
| 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 |

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EDITION: MAY 2019

# POLYSPORT STUCCO 1050

POLYURETHANE, ELASTIC, TWO-COMPONENT PORE FILLER

## GENERAL CHARACTERISTICS

**POLYSPORT STUCCO 1050** is elastic solvent-free, two component polyurethane based sealant for outdoor sport surfaces.

**POLYSPORT STUCCO 1050** has very good filling capacity and thixothropic properties. It has low fluidity feature with its filler structure can be easily applied. It provides strong and elastic filling after the reaction.

## TECHNICAL DATA

| | |
|---|---|
| Mixing Ratio | 90.8 : 9.2 (By weight) |
| Density of mixture (25°C) | 1.69-1.79 Kg/lt |
| Viscosity of mixture (25°C) | 40.000-55.000 mPa s at 25°C |
| Pot-life (25°C) | 20-30 min at 25°C |
| Application temperature | Min 10 – 40 °C |
| Curing (25°C and %60 relative humidity) | After 24 hours |
| Color | Beige |

## 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.
- It can be applied directly on top of surfaces, on a cast-in-situ cushion base layer of wet pour (SBR rubber granules mixed with polyurethane binder) or prefabricated roll, which have to be dry, load bearing, clean and free of loose and brittle particles and substances which impair adhesion such as oil, grease, paint or other contaminants.
- The A component should be thoroughly stirred to incorporate any slight separation, while continuing stirring the contents of the B component (hardener) should be added. Continue stirring until a homogeneous mix is obtained. The mixed material must be used within 20-30 minutes of mixing at 25ºC The surface must be dry and clean from dust and residues. Application is done by flat metal trowel.

## CONSUMPTION

0,8- 2,5 kg/m², depends on the porosity of the substrate.

## PACKAGING

250 kg barrels and drums.

## 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**

- Substrate must be dry, clean, and free from dust, grease and oil. Application must be done between 10°C - 40°C.
- In case the second layer of PU pore filler is applied after more than 24 hours of the application of the first one then the whole surface must be sanded by a special sanding machine. After that the second layer can be applied.

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**CAUTION**

Harmful if swallowed. Seek immediately medical attention. Rubber gloves and safety glasses with side guards should be worn.

**For more information consult the safety data sheet.**

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# POLYSPORT PU 1051

POLYURETHANE, SELF-LEVELING, TWO-COMPONENT COATING

## GENERAL CHARACTERISTICS

**POLYSPORT PU 1051** is a solvent-free, polyurethane-based, two-component, self-leveling coating for outdoor sport surfaces.

**POLYSPORT PU 1051** has excellent mechanical properties; like high impact.

It is applied on prefabricated subfloors of sports flooring such as **ISOPOL 854**, shock-pad in rolls, or wet-pour rubber cushion mix of SBR rubber granules and **PU BINDER 1118** after they are sealed with elastic pore sealer **POLYSPORT STUCCO 1050**. Combines finally polyurethane finish paint **POLYSPORT 1052** for the creation of a multilayer polyurethane floor especially designed for sport halls such as tennis, basketball, handball, volleyball and multipurpose halls.

- Applies easily with trowel, providing excellent self-leveling properties.
- Highly flexible and elastic contributing in the athletic performance of the flooring.
- Non shrinking.

## TECHNICAL DATA

| | |
|---|---|
| Mixing Ratio (By weight) | 87.72 : 12.28 By weight |
| Density (25°C) mixture | 1.50 – 1.60 Kg/Lt |
| Viscocity(25°C) | 1.500 – 4.500 mPa s at 25°C |
| Pot-life (25°C) | 20 - 30 min at 25° C |
| Hardness (Shore A) | 80 |
| Application temperature | 10 – 40 °C |
| Curing (25°C and %60 relative humidity) | After 24 hours |
| Color | KDF's Color chart |

## 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.
- Caution must be taken so that temperature of the support surface as well as ambient air remains above 10° C during application and curing of the materials while relative humidity does not exceed 75%.
- Depending on the ambient temperature, follows application of **POLYSPORT PU 1051**. Components A & B (hardener) packed into separate containers in fixed weight proportions are mixed together 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 uniform dispersion of the hardener. 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. The mixed material must be used within 20-30 minutes of mixing at 25ºC.
- The polyurethane mixture is poured on the floor and spread using V - notched trowel 5.5 mm, with parallel use of special spiked-roller in order to release any possibly entrapped air and avoid the formation of bubbles.
- The next day, depending ambient temperature follows application of finishing paint **POLYSPORT 1052** in two layers.

| | |
|---|---|
| **CONSUMPTION** | 2.0 - 2.2 Kg/$m^2$ for 1 layer |
| **APPLICATION TOOLS** | V - Notched trowel 5.5 mm, spiked-roller. Tools should be cleaned with **PU SOLVENT** immediately after use. |
| **PACKAGING** | Set of 280 kg (Barrel). |
| **STORAGE** | 12 months in unopened containers in dry places with minimum temperature 5°C and maximum temperature 30°C (avoid sunlight). |
| **REMARKS** | - Substrate must be dry, clean, free from dust, grease and oil. Application must be done between 10°C and 40°C.<br>- In case the layer of PU self-leveling is applied after more than 24 hours of the application of the last layer of PU pore filler then the whole surface must be sanded by a special sanding machine. After that the PU self-leveling can be applied. |
| **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.<br>**For more information consult the safety data sheet.** |

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# POLYSPORT 1056

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

## GENERAL CHARACTERISTICS

**POLYSPORT 1056** is a polyurethane, two-component, solvent-based, finish aliphatic coating for outdoor sports surfaces.

- It is applied as a final, sealing layer on top of **POLTRACK PU JOGGING TRACK** system or playground floorings made of **SBR rubber granules** plus **PU binder** mixture, or **EPDM** plus **PU binder** mixture, on safety tiles and on top of polyurethane outdoor sports systems such as **POLYFLEX PU-EX**.
- It is UV-resistant and thus absolutely suitable for outdoor surfaces, including running tracks, for UV-protection in case of sensitive, light colors such as blue, orange, green.
- Ideal for protection of EPDM rubber flooring.

## TECHNICAL DATA

| | |
|---|---|
| Mixing Ratio (colored) | 85 :15 (By weight) |
| Density (25°C) | 1.38-1.48 kg/lt |
| Viscosity (25°C) | 1.000-3.500 mPas |
| Application Temperature | 15 – 40 °C |
| Curing (25°C) | 9-12 hours |
| Color | KDF colorchart |

## 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.
- Caution must be taken so that temperature of the support surface as well as ambient air remains above 15$^{o}$ C during application and curing of the materials while relative humidity does not exceed 75%.
- The A component should be thoroughly stirred to incorporate any slight separation, while continuing stirring, the hardener (B component) should be added. Continue stirring until a homogeneous mix is obtained.
- The application is done by airless sprayer or short-haired mohair roller in 2 crossing layers.

## CONSUMPTION

200-250 gr/m² on polyurethane floorings

400-500 gr/m² on running tracks or EPDM surfaces.

Apply two layers at least.

## APPLICATION TOOLS

Short-haired mohair paint roller or airless sprayer. Tools should be cleaned with **PU SOLVENT** immediately after use.

**STORAGE**

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

**REMARKS**

- In case the layer of PU top coat is applied after more than 24 hours of the application of the last layer of PU pore filler then the whole surface must be sanded by a special sanding machine. After that the PU top coat can be applied.
- The second layer of **POLYSPORT 1056** has to be applied strictly within 24 hours, depending on the temperature and humidity (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.
- Working time of **POLYSPORT 1056** decreases when ambient temperature rises.
- Prolonged storage of partially used containers, containing **POLYSPORT 1056** must be avoided, as contact with atmospheric moisture could possibly cause clouding of the product.
- After hardening **POLYSPORT 1056** is completely safe for health.

**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.**

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# 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 sports surface a regular check (once in 6 months) is required and the maintenance of the surface is necessary to preserve the suitability and functionality of the flooring.

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 and diverse use.

These objectives are achieved by :

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

## Maintenance Equipment

- Leaves, pine needles and other detritus should be removed from the surface immediately as rot quickly helping the growth of mold 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 maintenance equipment should be well maintained and carefully operated to avoid any physical damage to the surface.
- Pressure loads on the surface as well as friction and shearing loads have to be avoided to prevent damage to the surface.
- At least once a year it is advisable to wash the surface with **low-pressure** jetting apparatus.

- Polymeric surfaces can with stand low pressures without suffering damage.
- Note that no aggressive chemical cleaning agents (chlorine or acid-based) should be used.

## Prevention of damages

To ensure the excellent condition of the surface:

- It is forbidden to drive vehicles, bicycles or motorcycles on the surface.
- Chemicals, oils, fuels or solvents on the surface are prohibited.
- Fireworks or cigarettes or unsuitable shoes on the surface are prohibited.

## 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 FAST**

-**SYSTEM SPORTFLOOR-EX**

-**SYSTEM SPORTFLOOR-EX-R**

**-SYSTEM FLEXFLOOR-EX**

**-SYSTEM FLEXFLOOR-EX-R**

**-SYSTEM POLYFLEX AEL-EX**

**-SYSTEM POLYFLEX AEL-EX-R**

**-SYSTEM POLYFLEX WET-POUR EX**

**-SYSTEM POLYFLEX WET-POUR EX-R**

**-SYSTEM POLYFLEX PU-EX**

**-SYSTEM POLYFLEX WET-POUR AEL-EX**

**-SYSTEM POLYFLEX WET-POUR AEL-EX-R**

**-SYSTEM SMARTFLOOR-EX**

**-SYSTEM SAFEPOL MULTICOLOR**

**-SYSTEM SAFEPOL COLORED**

**-SYSTEM SAFEPOL WITH TPV GRANULES**

**-SYSTEM SAFEPOL SBR COLOURANT**

**-SYSTEM SAFEPOL SANDPROOF**

**-SYSTEM QUICKLAWN PLAYGROUND SAFEPOL**

**-SYSTEM QUICKLAWN PLAYGROUND SAFEPOLSANDPROOF**

**-SYSTEM COLORFLEX**

**-SYSTEM SPORTGROUND-EX**

**-SYSTEM DECOQUARTZ**

**-SYSTEM POLTRACK SPRAYCOAT**

**-SYSTEM POLTRACK SPRAYCOAT SEALED**

**-SYSTEM POLTRACK SANDWICH**

**-SYSTEM POLTRACK ROLL-SANDWICH**

**-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**

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ISO KDF Ltd

POLTRACK SPRAYCOAT

POLTRACK SANDWICH

POLTRACK FULL-PU

POLTRACK FULL-PU

POLTRACK ROLL-SANDWICH

POLYFLEX AEL-EX

FLEXFLOOR-EX

SPORTFLOOR-EX

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SPORTFLOOR-EX FAST

SPORTGROUND-EX

POLTRACK JOGGING TRACK

POLYFLEX PU

SAFEPOL

SAFEPOL

FIBA POLYFLEX PU

EPDM 856

SAFEPOL SANDPROOF

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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

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Laboratory Report

POLTRACK SANDWICH
EN 14877

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POLTRACK SPRAYCOAT
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COLORFLEX EN 14877