

# KDF

Sports Flooring Systems & Building Materials

## POLTRACK EQUINE FLOORING



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



# INDICATIVE REFERENCE LIST OF PROJECTS

-12 SCHOOLS IN U.A.E, MINISTRY OF EDUCATION(THROUGH VARIOUS CONTRACTORS) - 40000m<sup>2</sup> EPDM Rubber flooring

-UNIVERSITY OF DAMMAM - KSA - 13000m<sup>2</sup> - Acrylic cushion floorings

-KING ABDULLAH BASE AIR DEFENSE - TAIF, KSA - 12600 m<sup>2</sup> - Running track

-KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS-DHARAN, KSA-12400m<sup>2</sup>-Rubber outdoor flooring

-RUNNING TRACK - K.S.A- 11000 m<sup>2</sup> - Running track, POLTRACK SANDWICH system

-GEMS SCHOOL - DUBAI, U.A.E - 10000 m<sup>2</sup> - Running track

-PASARGRAD WHOLESALE MARKET-IRAN - 10000 m<sup>2</sup> - Decorative flooring

-YAS ISLAND, ABU DHABI, U.A.E - 10000m<sup>2</sup> Bicycle track

-ABHA STADIUM - K.S.A - 9000m<sup>2</sup> - POLTRACK SANDWICH system

-ABU DHABI STADIUM - U.A.E - 9000m<sup>2</sup> - Artificial Grass, POLITURF LEADER 55140

-ALEXANDRIA STADIUM - ALEXANDRIA, EGYPT - 8500 m<sup>2</sup> - Running track

-MINISTRY OF EDUCATION IN KUWAIT - KUWAIT - 8000m<sup>2</sup> - Polyurethane flooring, Polyflex Pu-In system

-SALAM STREET & MINA ROAD, ABU DHABI, U.A.E - 8000m<sup>2</sup> Bicycle track, Sportground-Ex system

-KING FAHAD NAVAL BASE - JUBAIL, KSA - 8000m<sup>2</sup> - Running track

-MUNICIPALITY OF VELVENTO - KOZANI, GREECE - 8000m<sup>2</sup>, Running track

-ABBHA, KSA - 7600m<sup>2</sup> - Running track

-MUNICIPALITY OF ZENICA - ZENICA, BOSNIA& HERZEGOVINA - 7500m<sup>2</sup>, Poltrack Spraycoat, Running track

-ADNOC SCHOOLS - U.A.E - 7000m<sup>2</sup> - Safepol system

-ATLAS CENTER-BAM, IRAN - 7000 m<sup>2</sup> - Decorative flooring

-RUNNING TRACK - SUDAN - 7000 m<sup>2</sup> - Running track, POLTRACK SPRAYCOAT system

-CORNISH, JEDDAH, K.S.A - 6000m<sup>2</sup> Bicycle track Sportground-Ex system

-YOKOGAWA ELECTRIC CORPORATION-DHAHRAN TECHNO VALLEY-DAMMAM, KSA - 5500m<sup>2</sup>- Epoxy antistatic floorings

-AMITY INTERNATIONAL SCHOOL - ABHU DHABI, U.A.E - 5500m<sup>2</sup>, Poltrack Spraycoat, Running Track

-SHUQAIQ WATER AND ELECTRICITY COMPANY - JIZAN, KSA - 5400 m<sup>2</sup> - acrylic courts

-TALEEM UPTOWN SCHOOLS - DUBAI, UAE - 5400m<sup>2</sup>-Acrylic sports courts systems

-SAUDI AIR FORCE - KSA - 5250 m<sup>2</sup> - Acrylic coating elastoturf, running track

-RUNNING TRACK - K.S.A - 5000 m<sup>2</sup> - Running track, POLTRACK SANDWICH system

-AL HAMRA, RAS AL KHAIMAH, U.A.E - 5000m<sup>2</sup> Bicycle track, Sportground-Ex system

-AIRBASE IN TAIF - KSA - 5000 m<sup>2</sup> - Running track

-DEPARTMENT OF EDUCATION ASIR REGION - KHAMIS, KSA - 4500 m<sup>2</sup> - Running track

-SERVIA STADIUM - KOZANI, GREECE - 4500m<sup>2</sup>, Running track

-COMMUNITY COLLEGE - KHAMIS, KSA - 4200 m<sup>2</sup> - Running track

-MULTIPLE RUNNING TRACKS - ALGERIA - 40000 m<sup>2</sup> - Running track, POLTRACK SPRAYCOAT system

-SPORTS CLUB CENTER GLIFADA - ATHENS, GREECE - 4000m<sup>2</sup>- Poltrack Spraycoat, Running Track

-EMIRATES INTERNATIONAL SCHOOL - DUBAI, U.A.E - 4000m<sup>2</sup> - Safepol System, Playground flooring

-HH KHALID BIN BANDAR - RIYADH, KSA - 3800 m<sup>2</sup> - Volleyball/basketball rubber courts

-RUNNING TRACK- UKRAINE - 3600m<sup>2</sup> - RunningTrack, Poltrack Spraycoat system

-ANATOLIA GOLLEGE - THESSALONIKI, GREECE - 3600m<sup>2</sup>, Running track

-AIMARJAN ASLAND – PARTIAL - 3600m<sup>2</sup>- Poltrack Sandwich, Running Track

-RUNNING TRACK - ISRAEL - 3500 m<sup>2</sup> - Running track, POLTRACK SANDWICH system

**-MATRIX SPORTING CLUB - EGYPT - 3400 m<sup>2</sup> - Polyurethane outdoor flooring, Polyflex PU-EX System**  
**-SPORTS CLUB CENTER KISSAMOS - CRETE, GREECE - 3200m<sup>2</sup>- Poltrack Sandwich, Running Track**  
**-AL LUSAIL SPORTS CLUB - DOHA, QATAR - 3200m<sup>2</sup> - Jogging track**  
**-SPORTS CLUB CENTER - SERBIA, GREECE - 3200m<sup>2</sup> - Poltrack Sandwich, Running Track**  
**-STADIUM CENTER - UKRAINE - 3200m<sup>2</sup> - RunningTrack, Poltrack Spraycoat system**  
**-KING KHALID UNIVERSITY - ABHA, KSA - 3100 m<sup>2</sup> - Running track**  
**-AL FAIOUM UNIVERSITY - FAIOUM, EGYPT - 3000m<sup>2</sup>- Polyurethane indoor flooring, Polyflex PU-IN system**  
**-SPORTS CLUB CENTER "PAPAGOU" - ATHENS, GREECE - 3000m<sup>2</sup>- Poltrack Sandwich, Running Track**  
**-PANORAMA SPORTS COMPLEX - THESSALONIKI, GREECE - 3000m<sup>2</sup>, Running track**  
**-INDIAN ARMY - SAGAR, INDIA - 2800m<sup>2</sup>- Acrylic sports courts**  
**-ALL SAINTS SCHOOL - MUMBAI, INDIA - 2700 m<sup>2</sup> - PU outdoor sports flooring and running track**  
**-INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH-BHOPAL, INDIA-2700m<sup>2</sup> -Acrylic sports courts**  
**-OUR OWN GOLF SCHOOL - 2700m<sup>2</sup>- Poltrack Spraycoat, RunningTrack**  
**-AL RAYAN, QATAR - 2500 m<sup>2</sup> - Running track, POLTRACK SANDWICH system**  
**-OUTDOOR SPORTS VENUE - VARNA, BULGARIA - 2500 m<sup>2</sup> - Acrylic, ITF classified, 8 layers system**  
**-ALHOSN SPORTS COMPLEX - 2400 m<sup>2</sup> - Running track, POLTRACK SANDWICH system**  
**-TEACHERS COLLEGE - ABHA, KSA - 2050 m<sup>2</sup> - Running track**  
**-MUSAB BIN OMAIR BOYS SCHOOL - BIN OMRAN, QATAR - 2050 m<sup>2</sup> - PU outdoor sport flooring**  
**-BURAIRAT SCHOOL - RAK, UAE - 2000 m<sup>2</sup> - Running track**  
**-HADAYEK ALAHRAM CLUB - GIZA, EGYPT - 2000m<sup>2</sup>, PU outdoor sports flooring, POLYFLEX PU-EX WET-POUR system**  
**-AL SAILIYA BOYS SCHOOL - AL SAILIYA, QATAR - 2000 m<sup>2</sup> - Polyurethane, outdoor sport flooring**  
**-KING KHALID UNIVERSITY - ABHA, KSA - 2000 m<sup>2</sup> - Volleyball/basketball rubber courts**  
**-HH KHALID BIN BANDAR - RIYADH, KSA - 2000 m<sup>2</sup> - Volleyball/basketball rubber courts**  
**-RAWDA RASHEED PRIMARY SCHOOL FOR BOYS - 2000 m<sup>2</sup>**  
**-DAMIETTA GOVERMENT - EGYPT - 2000m<sup>2</sup> - Running track, Poltrack Spraycoat Sealed System**  
**-AL WAKAIR BOYS SCHOOL - AL WAKRAH, QATAR - 1950 m<sup>2</sup> - Polyurethane, outdoor sport flooring**  
**-THE LAKE DISTRICT - PUNE, INDIA - 1950m<sup>2</sup>- Acrylic sports courts**  
**-PRESIDENTIAL GUARD COMMANDM MAHAWI - ABU DHABI, UAE - 1900m<sup>2</sup> - Football court**  
**-UNITED (SABIC) SPORTS CLUB - 1900 m<sup>2</sup> - Rubber flooring**  
**-SHOOLS MINISTRY OF EDUCATION - KHAMIS, KSA - 1800 m<sup>2</sup> - Rubber floorin**  
**-AL MAJAD AMPHITHEATER - SHARJA, UAE - 1800m<sup>2</sup> - Certified Jogging track**  
**-QASSIM UNIVERSITY - KSA - 1800 m<sup>2</sup> - Polyurethane sports flooring**  
**-AL QADSIYA MODEL INDEPENDENT SCHOOL - ALWAAB, QATAR - 1770 m<sup>2</sup> - PU outdoor sport flooring**  
**-AL WAHDA SPORT ACADEMY CLUB - ABU DHABI, UAE - 1700 m<sup>2</sup> - Acrylic sports system**  
**-ALSARH SCOOLES OF CIVIL - RIYADH, KSA - 1650m<sup>2</sup> - PU glue/Socccer field**  
**-GD GOENKA PUBLIC SCHOLL - PURNIA, INDIA - 1630m<sup>2</sup>- Acrylic sports courts**  
**-SPA RESORT DERENIVSKUPIA KI - UZHGOROD, UKRAINE - 1600 m<sup>2</sup> - Flexfloor-ex system, volleyball court**  
**-THE MILITARY HOSPITAL - RIYADH, KSA - 1560 m<sup>2</sup> - Volleyball/basketball rubber courts**  
**-THE MILITARY HOSPITAL - RIYADH, KSA - 1560 m<sup>2</sup> - Pu glue-PU sports flooring**  
**-AL FORSHAN SPORTS CENTRE - ABU DHABI, U.A.E - 1500m<sup>2</sup> - Smartfloor system, Acrylic flooring**  
**-INDUSTRIAL FLOORING - BULGARIA - 1500m<sup>2</sup> - Epoxy flooring, Polepox Coat 814 system**  
**-SCHOOL IN AL WAKRA CITY - DOHA, QATAR - 1500 m<sup>2</sup> - Playground flooring**

**-IRAQ ARMY CAMP - IRAQ - 1500m<sup>2</sup> - Acrylic flooring in 2,2mm**  
**-SCHOOL IN AL WAKRA CITY - DOHA, QATAR - 1500 m<sup>2</sup> - Playground flooring**  
**-PROJECT GREEN LAND - DUBAI, UAE - 1500 m<sup>2</sup> - Jogging track**  
**-UP TOWN SCHOOL - 1500m<sup>2</sup>- Poltrack Spraycoat, RunningTrack**  
**-INDIAN AIR FORCE - ALLAHABAD, INDIA - 1450m<sup>2</sup> - Acrylic sports courts**  
**-DUBAI MODERN HIGH SCHOOL - DUBAI, UAE - 1375 m<sup>2</sup> - Acrylic sports courts**  
**-PROJECT ECOGREEN - DUBAI, UAE - 1350 m<sup>2</sup> - Jogging track**  
**-POLICE COMPLEX BARRACKS NIZWA - OMAN- 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS AL AJAIZ - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS KATMATMILAH SITE - OMAN- 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS SUWAIQ - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS AL KAMIL - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-PLAYGROUND FLOORING - BAHRAIN - 1300m<sup>2</sup> - Safepol system**  
**-POLICE COMPLEX BARRACKS SHINAS - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS BHALA - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS MUDHAIBI - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS THUMRAIT - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS AL KHOUDH - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS MAHDAH - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS BID BID - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS AL KHABOORA - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS DHANK - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS HAFEET - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS AUQAD - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-POLICE COMPLEX BARRACKS SUMAIL - OMAN - 1300 m<sup>2</sup> - Colorflex, PU sport floor**  
**-OUTDOOR SPORTS VENUE - KOSOVO - 1300 m<sup>2</sup> - POLTRACK SPRAYCOAT System**  
**-ALHALAFI BREAK - RIYADH, KSA - 1276 m<sup>2</sup> - Rubber flooring**  
**-GI-DHOFAR BEACH RESORT & SPA - OMAN - 1225 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-RLS BASIC EDUCATION SCHOOL SOHAR - OMAN - 1225 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-MIXED BASIC EDUCATION SCHOOL AL QABIL - OMAN - 1225 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-BOYS BASIC EDUCATION SCHOOL BARKHA - OMAN - 1225 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-GIRLS BASIC EDUCATION SCHOOL MUDHAIBI - OMAN - 1225 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-MIXED BASIC EDUCATION SCHOOL AL AMERAT - OMAN - 1225 m<sup>2</sup> - Colorflex, PU sport flooring**  
**-UMSALAMA GIRLS SCHOOL - AL RAYYAN, QATAR - 1200 m<sup>2</sup> - Polyurethane, outdoor sport flooring**  
**-SHERATON PARK - DOHA, QATAR - 1200 m<sup>2</sup> - Playground flooring**  
**-RAWDA BIN JASSIM SCHOOL - AL AZIZIYAH, QATAR - 1200 m<sup>2</sup> - Polyurethane, outdoor sport flooring**  
**-GEMS WESTMINISTER SCHOOL - DUBAI, U.A.E - 1200 m<sup>2</sup> - Acrylic sports courts**  
**-SILVER SPORTS CLUB - INDIA - 1200m<sup>2</sup>- Acrylic sports courts**  
**-OUR OWN SCHOOL - SHARJA, U.A.E - 1200m<sup>2</sup> - Acrylic sports courts**  
**-SHARJAH FOOTBALL CLUB - SHARJAH, UAE - 1200 m<sup>2</sup> - Polyurethane basketball courtsing**  
**-MATRIX SPORTING CLUB - EGYPT - 1300 m<sup>2</sup> - Acrylic flooring, Flexfloor System**  
**-SHERATON PARK - DOHA, QATAR - 1200 m<sup>2</sup> - Playground flooring**  
**-SYMBIOSIS COLLEGE - INDIA - 1180m<sup>2</sup> - Acrylic sports courts**  
**-PROFESSOR ABDULAZIZ ANQARI - RIYADH, KSA -1150m<sup>2</sup> - PU glue/Socccer field**

**-AL SAQID ISLAMIC ENGLISH SHCOLL-DUBAI,UAE-1100m<sup>2</sup>- Acrylic flooring, WET-POUR POLYFLEX AEL-EX**  
**-FIRST POINT SCHOOLS - DUBAI, UAE - 1100m<sup>2</sup> - Acrylic sports courts**  
**-MAADI BRITISH SCHOOL- EGYPT - 1100m<sup>2</sup>, Multipurpose court, COLORFLEX system**  
**-DUBAI AMERICAN ACADEMY - DUBAI, UAE - 1080 m<sup>2</sup> - Acrylic sports court**  
**-PRELUDE PUBLIC SCHOOL - AGRA, INDIA - 1070m<sup>2</sup>- Acrylic sports courts**  
**-ALMGBAL BREAK - RIYADH, KSA - 1050 m<sup>2</sup> - Rubber playground**  
**-BANIYAS CLUB AND AL AIN ENGLISH SPEAKING SCHOOL - ABU DHABI, UAE - 1000m<sup>2</sup> - Acrylic flooring**  
**-WADY DEGLA LOTUS PROJECT - CAIRO, EGYPT- 1000 m<sup>2</sup> - Acrylic flooring, Wet-Pour Polyflex AEL-EX system.**  
**-MINISTRY OF EDUCATION - DAMMAM, KSA - 1000 m<sup>2</sup> - PU indoor multipurpose sports flooring**  
**-SHEIKH OBEID MAKTHOUM PALACE - 1000m<sup>2</sup> - Outdoor polyurethane flooring**  
**-INDIAN AIR FORCE - AGRA, INDIA - 1000m<sup>2</sup>- Acrylic sports courts**  
**-INDIAN AIR FORCE - LUCKNOW, INDIA - 1000m<sup>2</sup>- Acrylic sports courts**  
**-MULTIPURPOSE POLYURTEHANE INDOOR COURTS - F.Y.R.O.M - 1000m<sup>2</sup> - Polyflex PU-In system**  
**-SODIC PROJECT - EGYPT - 1000m<sup>2</sup>, Multipurpose court, COLORFLEX system**  
**-INDIAN AIR FORCE - VARANASI, INDIA - 1000m<sup>2</sup>- Acrylic sports courts**  
**-INTERNATIONAL SCHOOL OF CREATIVE SCHIENCE - SHARJAH, U.A.E - 1000m<sup>2</sup> - Safepol System**  
**-INDIAN AIR FORCE - BIHTA, INDIA - 1000m<sup>2</sup>- Acrylic sports courts**  
**-INDIAN AIR FORCE - DARBHANGA, INDIA - 1000m<sup>2</sup>- Acrylic sports courts**  
**-AL AIN INDIAN SCHOOL - AL AIN, UAE - 1000m<sup>2</sup> - Football court**  
**-DUBAI SCHOLRAS PRIVATE SCHOOL - DUBAI, U.A.E - 1000m<sup>2</sup> - Acrylic flooring in 2,2mm**  
**-COMMUNITY COLLEGE - KHAMIS, KSA - 940 m<sup>2</sup> - Polyurethane indoor multipurpose sports flooring**  
**-GEMS METROPOLE SCHOOL - DUBAI, U.A.E - 900 m<sup>2</sup> - Playground flooring**  
**-MINISTRY OF EDUCATION - ABHA, KSA - 900 m<sup>2</sup> - Polyurethane indoor multipurpose sports flooring**  
**-BAB AL SHAMS SPA HOTEL - DUBAI, UAE - 900m<sup>2</sup> - Football court**  
**-KING KHALID UNIVERSITY - ABHA, KSA - 820 m<sup>2</sup> - Polyurethane indoor multipurpose sports flooring**  
**-SCHOOL IN AL WAKRA CITY - DOHA, QATAR - 800m<sup>2</sup> - Polyurethane sports flooring**  
**-SULTAN MANOR - RIYADH, KSA - 800 m<sup>2</sup> - Polyurethane multipurpose sports flooring**  
**-MINISTRY OF EDUCATION - AL KHARIZ, KSA - 800 m<sup>2</sup> - PU indoor multipurpose sports flooring**  
**-INDOOR SPORTS COURT - MALAYSIA - 800 m<sup>2</sup> - PU indoor sports flooring**  
**-KID'S PLAY AREA IN MALL - MOROCCO - 800 m<sup>2</sup> - PU indoor sports flooring, POLYFLEX PU-IN system**  
**-DUBAI ENGLISH SPEAKING COLLEGE - DUBAI, UAE - 783m<sup>2</sup> - Acrylic flooring, SPORTFLOOR-EX, HARD COURT**  
**-SINGAPORE AIRLINES - SINGAPORE - 735m<sup>2</sup> - PU indoor sports flooring**  
**-AL DAJAN COMPANY - GASIM, KSA - 722 m<sup>2</sup> - Polyurethane sports flooring/Tennis court**  
**-SELECTIVE GOVERNMENT HIGH SCHOOL - EGYPT - 720m<sup>2</sup>, Outdoor sports flooring**  
**-INDIAN AIR FORCE - AHMEDABAD, INDIA - 720m<sup>2</sup>- Acrylic sports courts**  
**-FITNESS TIME - FAYSALIA, DAMMAM, KSA - 700 m<sup>2</sup>-PU indoor multipurpose sports flooring/running track**  
**-FITNESS TIME YASMEEN - RIYADH, KSA - 700 m<sup>2</sup> - PU indoor multipurpose sports flooring/running track**  
**-FERRARI WORLD - ABU DHABI, UAE - 700m<sup>2</sup> - Playground flooring**  
**-FITNESS TIME JUNIOR - RIYADH, KSA - 700 m<sup>2</sup> - PU indoor multipurpose sports flooring/running track**  
**-FITNESS TIME - OLAYA RIYADH, KSA - 700 m<sup>2</sup> - PU indoor multipurpose sports flooring/ running track**  
**-FITNESS TIME WAHA - RIYADH, KSA - 700 m<sup>2</sup> - PU indoor multipurpose sports flooring/running track**  
**-FITNESS TIME, NOOR BRANCH - DAMMAM, KSA -700 m<sup>2</sup> - PU indoor sports flooring and running track**  
**-FITNESS TIME, ALAMEEN BRANCH - DAMMAM, KSA - 700 m<sup>2</sup> - PU indoor sports flooring and running track**  
**-FITNESS TIME, PLUS RIYADH - RIYADH, KSA - 700 m<sup>2</sup> - PU indoor sports flooring and running track**

-FITNESS TIME, SALAMA BRANCH BRO & FITNESS - JEDDAH, KSA - 700 m<sup>2</sup> - PU indoor sports flooring

-FITNESS TIME, 40th BRANCH - JEDDAH, KSA - 700 m<sup>2</sup> - PU indoor sports flooring and running track

-NASR CLUB- EGYPT - 700m<sup>2</sup>, Multipurpose court, POLYFLEX WET-POUR system

-HUREL DOUBLE 3 - RAS AL KHAIMH, KSA - 700 m<sup>2</sup> - Shockpad plus acrylic coatings

-THE SUSTAINABLE CITY - DUBAI, U.A.E - 700 m<sup>2</sup> - Acrylic flooring

-EMAAR - EMIRATES HILLS 2 - DUBAI, U.A.E - 700m<sup>2</sup> - Basketball court, Acrylic flooring

-AIRFORCE SURBOTO PARK - NEW DELHI, INDIA - 680 m<sup>2</sup> - Polyurethane outdoor sports flooring

-INDIAN ARMY - DHRANGDHARA, INDIA - 670m<sup>2</sup>- Acrylic sports courts

-MT.SAINT PATRICK ACADEMY - INDIA - 665m<sup>2</sup>- Acrylic sports courts

-REGIONAL HQ AT BURAIMI - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE RUSTAQ - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE LIWA - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE AL SALIL - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE IBRI - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE IBRA - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE AL SUR - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE AL DUKUM - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE AL BURAIMI - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE AL NIZWA - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE AL SUWAIQ - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring

-ABU DHABI MUNICIPALITY - ABU DHABI , UAE - 650 m<sup>2</sup> - Acrylic flooring

-ROYAL OMAN POLICE TASK FORCE AL SALALAH - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE AL BARKHA - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE KHOUDH - OMAN - 650 m<sup>2</sup> - Colorflex, PU sport flooring

-MULTIPURPOSE COURTS - TIRANA, ALBANIA - 650 m<sup>2</sup> - Acrylic sports flooring, FLEXFLOOR system

-MOHAMMED JASSIM M AL THANI SCHOOL - UMSALALALI, QATAR - 620 m<sup>2</sup> - PU outdoor sport flooring

-QATAR GEMS SCHOOL - DOHA, QATAR - 615 m<sup>2</sup> - Polyurethane sports flooring

-VAISHNO DEVI - DELHI, INDIA - 608 m<sup>2</sup> - Polyurethane outdoor sports flooring

-INDIAN ARMY - AGRA, INDIA - 600m<sup>2</sup>- Acrylic sports courts

-THE INTERNATIONAL SCHOOL - AGRA, INDIA - 600m<sup>2</sup>- Acrylic sports courts

-INDIAN ARMY - JHANSI, INDIA - 600m<sup>2</sup>- Acrylic sports courts

-THE SUSTAINABLE CITY - DUBAI, U.A.E - 600 m<sup>2</sup> - Safepol system

-AMITY SCHOOL, JUMEIRAH ISLAND - DUBAI, UAE - 600 m<sup>2</sup> - Safepol system

-OUR OWN ENGLISH HIGH SCHOOL - SHARJAH, U.A.E - 600 m<sup>2</sup> - Flexfloor system

-OUR OWN ENGLISH HIGH SCHOOL - SHARJAH, U.A.E - 600 m<sup>2</sup> - Polyflex Ael-EX system

-SKATING FOR KIDS - GUJARAT, INDIA - 600 m<sup>2</sup> - Sportfloor system

-NEW DUBAI BRADENTON SCHOOL- DUBAI, UAE - 570 m<sup>2</sup> - Acrylic sports courts

-DUBAI SILICON OSIS-CENTRAL PARK, DSO - DUBAI, UAE - 560 m<sup>2</sup> - Jogging track

-MPS WORLD SCHOOL - AGRA, INDIA - 560m<sup>2</sup>- Acrylic sports courts

-AL WUKAIR GIRLS SCHOOL - AL WAKRAH, QATAR - 550 m<sup>2</sup> - Polyurethane, outdoor sport flooring

-BBPS - DELHI, INDIA - 512 m<sup>2</sup> - Polyurethane outdoor sports flooring

-IVY STATE - PUNE, INDIA - 511m<sup>2</sup>- Acrylic sports courts

-KUNAL ICONIA - INDIA - 510m<sup>2</sup>- 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, FLEXFLOOR SYSTEM

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

**-WADY DEGLA SHERATON CLUB - CAIRO, EGYPT** - Acrylic 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**

# PHOTOGRAPHS OF PROJECTS



# KIWA/ISA CERTIFICATE FOR POLTRACK EQUINE SYSTEM



## RESEARCH REPORT - LABORATORY

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PROJECT	: POLTRACK EQUESTRIAN SYSTEM
PURPOSE RESEARCH	: assessment of a rubber flooring system to be used for equestrian purposes
PRINCIPAL	: KDF (Kataskeves Dapedon Ltd.)
EXECUTION	: Kiwa ISA Sport B.V. Project Manager: Mr. J.G. Kieft
RESEARCH DESCRIPTION	: Page 2
RESEARCH RESULTS	: Pages 3 - 6

## CONCLUSION

According to our knowledge the equestrian rubber flooring system is suitable and durable for its intended use.

12<sup>th</sup> July 2016

Kiwa ISA Sport B.V.

  
T.A. Joosten  
General Manager



## RESEARCH DESCRIPTION

KDF requested Kiwa ISA Sport B.V. to conduct laboratory research on an equestrian rubber flooring system. The rubber flooring system consists of a PU bound SBR base layer, with two top layers on top (see figure 1) with a total thickness of 20 mm.

These are no standards available to which these kind of products can be assessed. This research is restricted to measuring characteristics which seem to be important for the quality of product to be used for these purposes.

To test the quality of the rubber flooring system the following characteristics are investigated:

- weight;
- shore A hardness;
- tensile strength;
- elongation at break;
- permeability;
- friction coefficient;
- resistance to dynamic load;
- resistance to static load.

This research is restricted to measurements on the material characteristics of the material. Other characteristics like equestrian behavior can only be measured after application. The results of this research therefore give an indication of the suitability.

The results of the research are given on the next pages.



## RESEARCH RESULTS

### Description of the material

The rubber flooring system consists of PU bound SBR granules base layer. On top of this there are two layers. Figure 1 and 2 show the rubber flooring system from side and top view.

<b>Product</b>	PU bound SBR Equestrian rubber flooring system, 20 mm
<b>Weight</b>	21,2 kg/m <sup>2</sup>
<b>Density</b>	1039 kg/m <sup>3</sup>
<b>Thickness</b>	20.4 mm

Figure 1: Poltrack Equestrian System side view

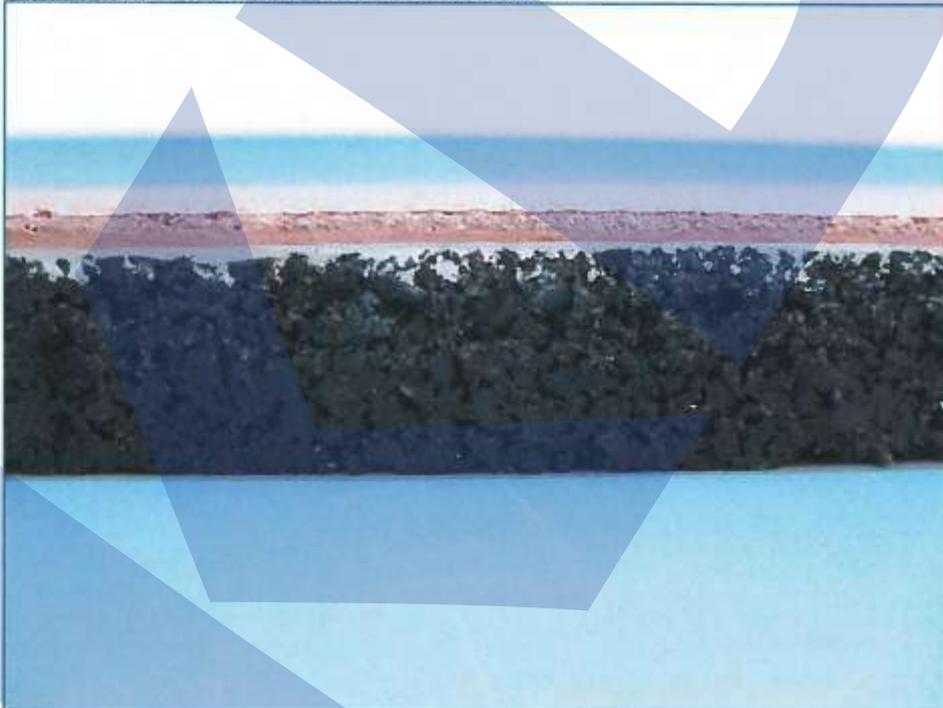




Figure 2: Poltrack Equestrian System top view





## TEST RESULTS

In table 1 below the results of the material research are summarized.

Table 1: Summary of results

Characteristic	Standard	Result
Shore A hardness	EN 53505	84°
Tensile strength	EN 12230	0.76 MPa
Elongation at break	EN 12230	16%
Permeability	EN 12616	not permeable
Friction coefficient dry	EN 14837	84
Resistance to load - dynamic deformation	based on NEN-EN-ISO 3386-1	2%
Resistance to load - static deformation	internal method	3%

### Remarks:

Tensile strength and elongation at break - the results of tensile strength and elongation at break show that the material is very firm. The strength seems suitable for equestrian purposes.

Dynamic deformation - the rubber flooring system has been tested after a repeated load of 1000 cycles with a pressure of 0.76 MPa. This is comparable with a force of 3.5 kN with a test foot of diameter 70 mm. This is regarded as sufficient for equestrian hooves. Figure 3 shows the graph during the test. The figure and the measurements before and after the test show that hardly any deformation is noticeable, and the rubber flooring system is elastic under this load.

Static deformation - the mat has been put under pressure to which the mat deforms to 5 mm. This is a pressure of about 4.8 MPa. No much residual deformation is noticed after 24 hours of relaxation.

Friction coefficient - the friction coefficient is sufficient to be used for human floors, but the values needed for horse surfaces are not known. Due to the little amount of deformation and the grip structure on the mat, it is expected that the friction is sufficient.

Figure 4 shows the stress - strain curve. It shows that the pressure-deformation is linear in the ranges which are applicable for pressures of horse feet.

Figure 3: dynamic deformation

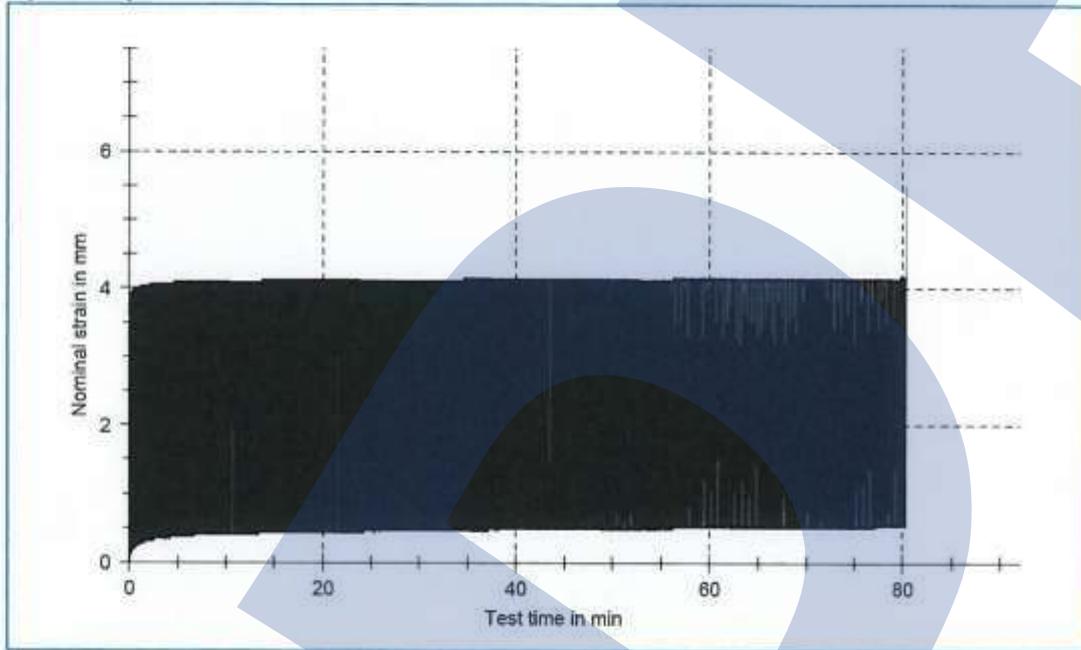
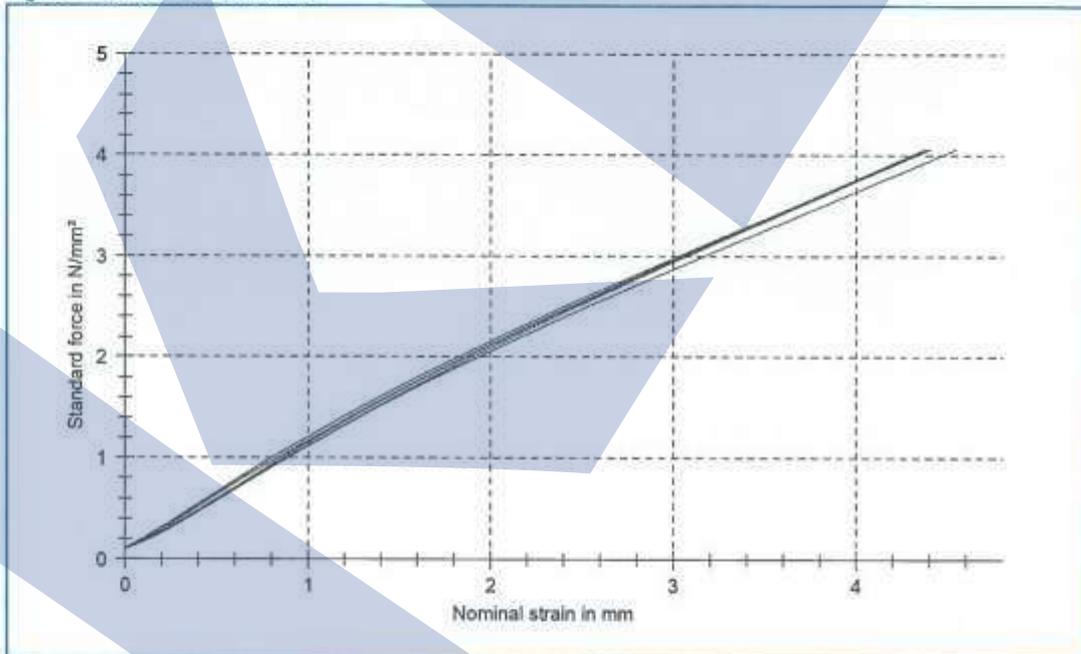


Figure 4: stress - strain curve



According to our knowledge and based on the material characteristics the rubber flooring system is suitable for its intended use.

# EQUINE FLOORINGS

## POLTRACK EQUINE FLOORING

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

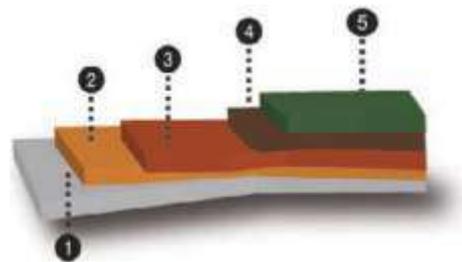
It consists of a first cushion layer (base layer) in thickness of 13-18mm usually, a mixture of **RECYCLED RUBBER 858** in different granulometries of 2-4mm, 0.8-2.5mm and SBR dust and the polyurethane binder **POLAPLAST P13**, mixed and applied at site, and the second layer (sealing layer) of polyurethane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

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

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

### Steps:

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



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

**POLTRACK EQUESTRIAN SYSTEM**  
**Seamless Rubber Flooring for horse stalls, barns, paddocks.**  
**Total thickness of 15mm – 50mm**

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Synthetic outdoor equine system in total thickness of 15 - 50mm. It is applied on fine non-porous asphalt or smooth, waterproof concrete without rising humidity issues, with first cushion layer (base layer) of 13-18mm mixed and applied at site (consisting of **RECYCLED RUBBER** in different granulometries, 1-3mm and 0.5-1.5mm and SBR dust as well and the polyurethane binder **POLAPLAST P13**) and then of, as second layer (sealing layer), the polyurethane semi-flexible, pore-sealing material **POLAPLAST P24** on top of the cushion mixture in two layers, with a polyester net between the first and second layer of **POLAPLAST P24**. Then follows the third layer (surface layer) with the full-PU colored polyurethane self-leveling, semi-elastic **POLAPLAST P25** and finally the top coating the UV-resistant polyurethane aliphatic coating **POLYSPORT 1053** in two layers.

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

**Steps:**

1. **POLAPLAST P10** - Polyurethane primer.
2. **Mixture of POLAPLAST P13 and RECYCLED RUBBER** applied by paving machine.
3. **POLAPLAST P24** - Polyurethane sealing layer in two layers (with a polyester net between the two layers).
4. **POLAPLAST P25** - Full-PU colored polyurethane self-leveling layer.
5. **POLYSPORT 1053** - UV-resistant polyurethane aliphatic top coating.

**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 **POLAPLAST P10** for the proper adhesion on the sub-floor. Application of one or more layers until the surface is saturated. Avoid the creation of puddles of the material. Consumption: 0,3 kg/m<sup>2</sup> in two layers, depending on the absorption of the underlay. Application by airless sprayer and brush.

- **Base layer (Mixture of POLAPLAST P13, RECYCLED RUBBER** in different granulometries, 1-3mm and 0.5-1.5mm and SBR dust), is applied by special paving machine or by hand in case of very experienced application team. Consumption: 12,1 kg/m<sup>2</sup>.
- Then after the shock-pad surface is completely dry (48 hours) follows the sealing layer with **POLAPLAST P24**, in two layers, which is applied by metal trowel. A polyester net is applied between the first and second layer of **POLAPLAST P24**. Then after the drying and the sandpaper of any irregularity on the final surface comes the application of the self-leveling surface layer **POLAPLAST P25** by notched trowel in more than 2mm total thickness. Consumption **POLAPLAST P24**: 1,30kg/m<sup>2</sup> and consumption of **POLAPLAST P25** : 2,3kg/m<sup>2</sup>, depending on the absorption of the underlay.
- After that PU selfleveling layer **POLAPLAST P 25**, is dry then is applied the finishing UV resistant layer **POLYSPORT 1053** by airless spray-gun or roller in 2 crossing layers and in glossy or mat finish. Consumption **POLYSPORT 1053** : 0,25kg/m<sup>2</sup>
- In case of any demand for anti-slip surface, after the application of the full-PU colored polyurethane self-leveling material **POLAPLAST P25** follows broadcasting of quartz sand 0.3-0.5mm (4kg/m<sup>2</sup>). Then the surface is coated with the UV-resistant polyurethane aliphatic top coating **POLYSPORT 1053**.

### Important Remarks

- ✓ During summer or during temperatures over 35 degrees, ideal time for the application of **POLTRACK EQUESTRIAN SYSTEM** is between 21:00 and 06:00 and temperature less than 30°C, while in the winter, 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.

### Substrate

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

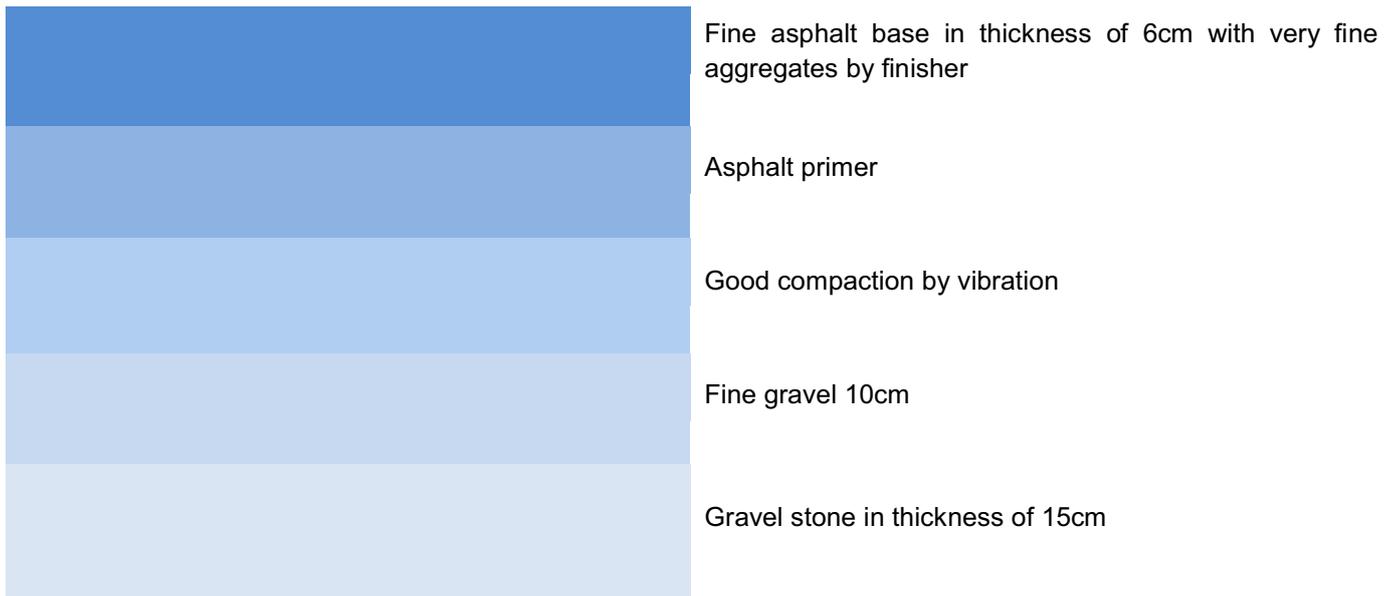
#### **A.ASPHALT SUBSTRATE**

The asphalt must have a slope of 0,7-1% **and must dry for at least 30 days so all solvents from the asphalt evaporate.**

The asphalt subfloor should be applied on well compacted 150 mm road base subfloor and asphalt should be laid in one layer (and not 2) in 6 to 8 cm 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



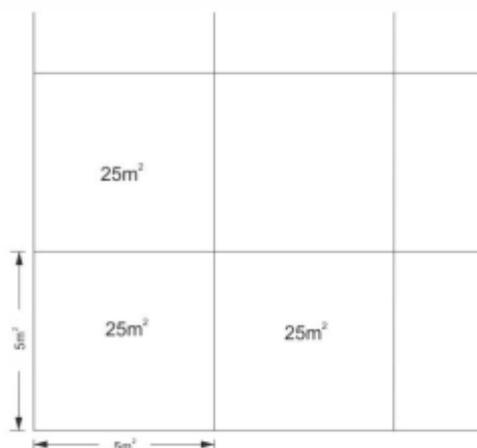
## B. CONCRETE SURFACES

Concrete surface must be power-troweled and must be smooth with a slope of 0,7-1%.

**Then concrete must dry at least for 40 days and then the application takes place if there is no arising humidity for the subfloor.** Before the application takes place, there must be a **proper gridding** of the surface by a grinder machine to open the porous 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 subfloor** and there may be problems **with arising humidity, especially in areas where the sea level is really high and when the sea is close.**

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



<b><u>SUBSTRATE REQUIREMENTS</u></b>	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.

# POLAPLAST P10

## POLYURETHANE PRIMER ONE-COMPONENT

### GENERAL CHARACTERISTICS

**POLAPLAST P10** is a low viscosity, moisture curing, clear, polyurethane-based, one-component primer with good long term elasticity. **POLAPLAST P10** is used as an adhesive component between the sub-floor and the base layer (wet-pour mixture of SBR and POLAPLAST P13) of KDF's running track systems.

- Designed for improving adhesion of base layer (wet-pour mixture) of KDF's running track systems on asphalt and concrete surfaces without rising humidity issues.
- 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 at 25°C
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 **POLAPLAST P10** applied by airless sprayer equipment or brush, roller. The base layer (wet-pour mixture of SBR and **POLAPLAST P13**) of KDF's running track systems should be constructed while **POLAPLAST P10** 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. **POLAPLAST P10** is applied in two or more layers as a thin film, and on the final layer, wet-pour mixture of SBR and **POLAPALST P13** can be applied on wet surface.
- The temperature should not fall below 10° C during curing.
- Opened drums should be used up quickly.
- Depending on the temperature and humidity, 3-5 hours is the minimum waiting time.
- The base layer (wet-pour mixture of SBR and **POLAPALST P13**) of the running track systems should be constructed while the final layer of **POLAPLAST P10** 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

150-250 gr/m<sup>2</sup> depending on the type and the absorbency of the underlay.

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**APPLICATION  
TOOLS**

Airless sprayer or brush or roller.

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**PACKAGING**

Supplied in drums of 200 Kg.

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**STORAGE**

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

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**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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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.

# POLAPLAST P13

## ONE-COMPONENT POLYURETHANE BINDER

### GENERAL CHARACTERISTICS

**POLAPLAST P13** is a solvent free, clear, moisture curing one component polyurethane binder with good long term elasticity.

**POLAPLAST P13** exhibits excellent adhesion to most rubber granulates and gives a strong performance both in terms of tensile strength and durability. It is mixed with **RECYCLED RUBBER 858** for the creation of the base layer of KDF's running track systems as well as for the base coat of playgrounds, tennis courts etc.

### TECHNICAL DATA

Basis:	one-component polyurethane
Appearance:	liquid
Color:	transparent
Viscosity :	4.000 – 8.000 mPa s at 25°C
Density :	1.08 – 1.18 Kg / Lt at 25°C
Temperature for the application and drying of the material:	10 – 40 °C

### PREPARATION-APPLICATION

**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 **POLAPLAST P10** applied by airless sprayer and brush. The the base layer of KDF's running track systems, wet-pour shock-absorbent mixture, should be constructed while **POLAPLAST P10 is still sticky (wet on wet procedure)**. 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. Opened drums should be used up quickly.
- Good mixing of **POLAPLAST P13** and **RECYCLED RUBBER 858 (see mixing ratio below)**. 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 in thickness from 11 to 12mm using a suitable paving machine or a hand straightedge and a flat trowel. Any small irregularities in the surface may be removed by rolling the surface using a metallic cylinder.
- The temperature should not fall below 10°C during curing of **POLAPLAST P13**.
- Curing of **POLAPLAST P13** takes place at ambient temperature by reaction with atmospheric moisture. High temperatures and moisture will shorten the cure time of the **POLAPLAST P13**.
- The surface can be walked on after 12 – 18 hours at 25°C. After the surface is fully cured (depending on the temperature and humidity, the curing of the base layer mixture will take 12-48hours), follows the application of the final layers of the running track systems.

### CONSUMPTION

1.32kg **POLAPLAST P13** mixed with 6kg **RECYCLED RUBBER 858** in granulometry of 0.5-2.5mm.

### RATIO

18.3% **POLAPLAST P13** to 81.7% **RECYCLED RUBBER 858** in granulometry of 0.5-2.5mm.

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**APPLICATION  
TOOLS**

A suitable paving machine or a hand straightedge and a flat trowel.

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**PACKAGING**

Supplied in drums of 220 Kg. Other size on request.

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**STORAGE**

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

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**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 <sup>3</sup>
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

# POLAPLAST P24

Two component PU material for Equestrian rubber floorings.

## Sealing Layer for Equestrian System

### GENERAL CHARACTERISTICS

**POLAPLAST P24** material is a pigmented and solvent free thixotropic, two component polyurethane material semi elastic, tensile strength properties, should be mix two component on project site, environment-friendly, good elastic, high strengthen ,colorful and easy ,safe to construction.

**POLAPLAST P24** is easy to apply; it shows excellent resistance to moisture during the curing phase and a good curing behavior even at low temperature.

### TECHNICAL DATA

Mixing Ratio	6 : 1 (By weight)
Density of mixture (20°C)	app. 1,75±0.1 gr/cm <sup>3</sup>
Density of Comp. A (20°C)	app. 1,88±0.1 gr/cm <sup>3</sup>
Density of Comp. B (20°C)	app. 1,22±0.05 gr/cm <sup>3</sup>
Pot-life (23°C)	30-40 min.
Application temperature	Min 5°C
Curing (20°C and %60 relative humidity)	After 24 hours it can be sanded.
Color	Crème

### PREPARATION-APPLICATION

**POLAPLAST P24** material is used as sealing layer in the equestrian seamless rubber flooring system, provides good force reduction and is constructed on a cast in place basement of rubber crumb applied with clear polyurethane binder, with a topping of Full-PU colored polyurethane self leveling layer **POLAPLAST P25**.

#### **Substrate Preparation**

**POLAPLAST P24** material is applied directly on top of prefabricated or in situ installed rubber granule mats 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 interval between the application of pore sealer (first coating) and further coatings should not exceed 48 hours. In case of longer breaks, the use of **POLAPLAST P24** as bonding agent is recommended after cleaning thoroughly.

## Installation Processing

Processing temperature of both components should be between 15-30°C.

The well mixed material is applied on the rubber base mat or concrete/asphalt with primer with a flat rubber or metal squeegee under pressure to tightly scrape off the material

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 30-40 minutes of mixing at 20°C The surface must be dry and clean. It can be applied by trowel.

Material coverage lies between 1.25-1.50kg/m<sup>2</sup>/mm and the material consumption depends on the surface structure if the base mat (grain size, compaction, evenness) and on the temperature of substrate, ambience and material. Substrate temperatures must not exceed 50o as this would liquefy the material and increase the coverage.

At low temperature and humidity, the speed of reaction is reduced resulting in a longer pot life, re-coating interval and open time .The speed of reaction is accelerated at high temperatures and humidity and the converse is true. Direct sunshine shortens the time frames considerably.

During the first hours after application, the coating had to be protected from direct contact with water as this could cause foaming of the material. In case of (expected) rain, **POLAPLAST P24** should not be applied.

Pore-sealed surface with **POLAPLAST P24** material can be recoated during the first 48 hours after application without the use of primer if the surface is dry and clean.

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### REMARKS

For health and safety protection, transport regulations and waste management please consider the Material Safety Data Sheet .Users are advised to wear gloves and eye protection when mixing or applying **POLAPLAST P24**. **POLAPLAST P24** is no-hazardous in its cured condition.

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### CAUTION

The characteristic data are approximate values .They do not represent warranted characteristics. Consequently, no liability claims of any kind may be derived from the Technical Data Sheet.

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# POLAPLAST P25

Two component coat material for Equestrian rubber flooring system.

## GENERAL CHARACTERISTICS

**POLAPLAST P25** is an pigmented and solvent free thixotropic, two component polyurethane material with semi elastic, tensile strength properties, should be mix two component on project site, environment friendly, semi elastic, high strengthen, colorful and easy, safe to construction.

**POLAPLAST P25** is easy to apply; it shows excellent resistance to moisture during the curing phase and a good curing behavior even at low temperature.

## TECHNICAL DATA

Mixing Ratio	6 : 1 (By weight)
Density of mixture (20°C)	app. 1,44±0.1 gr/cm <sup>3</sup>
Density of Comp. A (20°C)	app. 1,48±0.1 gr/cm <sup>3</sup>
Density of Comp. B (20°C)	app. 1,22±0.05 gr/cm <sup>3</sup>
Pot-life (23°C)	30-75 min.
Application temperature	Min 5°C
Curing (20°C and %60 relative humidity)	After 24 hours it cures.
Color	Grey, Red, other.

## PREPARATION-APPLICATION

**POLAPLAST P25** material is used in seamless rubber flooring which provides good force reduction and is constructed on a cast in place basement of rubber crumb applied with clear polyurethane binder, which is sealed with the sealing layer POLAPLAST P24 before the application of POLAPLAST P25, with a final topping of UV-resistant polyurethane aliphatic top coating POLYSPORT 1053.

POLAPLAST P25 is used as PU system is a high performance system. Is applied on shock-pad, after the use of PU pore filler by toothed spatula with consumption 3kg/m<sup>2</sup>.

### **Substrate Preparation**

**POLAPLAST P25** is applied on top of the sealing layer **POLAPLAST P24** which seals the top of prefabricated cushion or in situ installed rubber granule mats. After the sealing with PU pore filler. The subfloor has 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.

**POLAPLAST P25** is applied directly on good quality concrete/asphalt (first class road standard, with primer) 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 interval between the application of pore sealer and further coatings should not exceed 48 hours.

## Installation Processing

Processing temperature of both components should be between 15-30°C.

The well mixed material is applied with a flat rubber or metal squeegee under pressure to tightly scrape off the material.

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 30-75 minutes of mixing at 20°C. The mixed **POLAPLAST P25** material can be laid to the surface.

Material coverage lies between 1.5kg/m<sup>2</sup>/mm and the material consumption depends on the surface structure (grain size, compaction, evenness) and on the temperature of substrate, ambience and material. Substrate temperatures must not exceed 50°C as this would liquefy the material and increase the coverage.

At low temperature and humidity, the speed of reaction is reduced resulting in a longer pot life, re-coating interval and open time. The speed of reaction is accelerated at high temperatures and humidity and the converse is true. Direct sunshine shortens the time frames considerably.

During the first hours after application, the coating had to be protected from direct contact with water as this could cause foaming of the material. In case of (expected) rain, **POLAPLAST P25** should not be applied.

Sealed surface with **POLAPLAST P25** can be recoated during the first 48 hours after application without the use of primer if the surface is dry and clean.

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### REMARKS

For health and safety protection, transport regulations and waste management please consider the Material Safety Data Sheet. Users are advised to wear gloves and eye protection when mixing or applying **POLAPLAST P25**. **POLAPLAST P25** is no-hazardous in its cured condition.

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### CAUTION

The characteristic data are approximate values. They do not represent warranted characteristics. Consequently, no liability claims of any kind may be derived from the Technical Data Sheet.

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# POLYSPORT 1053

UV-RESISTANT, POLYURETHANE-BASED, TWO-COMPONENT, FINISH PAINT

## GENERAL CHARACTERISTICS

**POLYSPORT MAT 1053** is a polyurethane, two-component, solvent-based, finish paint for equestrian flooring systems.

- It is applied as a final, sealing layer on top of seamless rubber floorings for horse stalls, barns, paddocks.
- 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

Mixing Ratio (transparent)	83,5 :16,5 (By weight)
Mixing Ratio (colored)	85 :15 (By weight)
Density (20°C)	app. 1,3±0.1 gr/cm <sup>3</sup>
Application Temperature	Min 5°C
Curing (20°C)	8-10 hour
VOC	170 g/kg (Council Directive 1999/13/EC)
	After 12 hours you may walk over it.
	After 7 days it resists against mechanical load and chemical substances.
Color	Standard plus Colors from Ral catalog

## PREPARATION-APPLICATION

- Good, drycleaning 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 roller can apply **POLYSPORT 1053**.

## CONSUMPTION

App.250 gr/m<sup>2</sup>, depending on the substrate. Apply two coats at least.

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**PACKAGING**

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

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**STORAGE**

9 months at 20°C.

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**REMARKS**

- Working time of **POLYSPORT MAT 1053** decreases when ambient temperature rises.
  - Prolonged storage of partially used containers containing **POLYSPORT MAT 1053** must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.
  - After hardening **POLYSPORT MAT 1053** is completely safe for health.
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**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. Flammable before application.

**For more information consult the material 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 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 algaecide
- 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**

**-SYSTEM FLEXFLOOR**

**-SYSTEM POLYFLEX AEL EX**

**-SYSTEM POLYFLEX WET POUR EX**

**-SYSTEM POLYFLEX PU EX**

**-SYSTEM POLYFLEX WET POUR AEL EX**

**-SYSTEM SMARTFLOOR**

**-SYSTEM SAFEPOL**

**-SYSTEM SAFEPOL COLORED**

**-SYSTEM SAFEPOL WITH TPV GRANULES**

**-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**

# CERTIFICATES OF KDF Ltd



ISO KDF Ltd



POLTRACK SPRAYCOAT



POLTRACK SANDWICH



POLTRACK FULL-PU



POLTRACK FULL-PU



POLTRACK ROLL-SANDWICH



POLYFLEX AEL-EX



FLEXFLOOR-EX



SPORTFLOOR-EX

# CERTIFICATES OF KDF Ltd



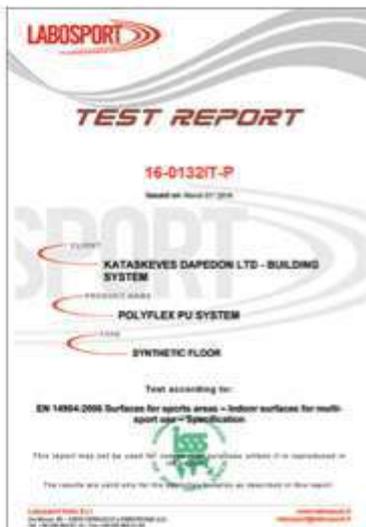
**SPORTFLOOR-EX FAST**



**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 to the performance of EN14877:2012 laboratory test requirements for acoustic ceiling materials for ceiling systems.  
Product: Poltrack Sandwich System

**Client:**

Company:	KDF - Acoustics Systems Ltd
Contact:	Operations Dept., 11011 Thorncliffe Road, 20001
	Alan Robinson

**Description of Surface:**

Supplier name: KDF  
Date: 15/10/2020  
System installed: Poltrack Sandwich System



15/10/2020 Page 1 of 4

**POLTRACK SANDWICH  
EN 14877**

**ACOUSTOSCAN**  
**Laboratory Report**

Assessment of KDF to the performance of EN14877:2012 laboratory test requirements for acoustic ceiling materials for ceiling systems.  
Product: Poltrack Spraycoat System

**Client:**

Company:	KDF - Acoustics Systems Ltd
Contact:	Operations Dept., 11011 Thorncliffe Road, 20001
	Alan Robinson

**Description of Surface:**

Supplier name: KDF - Acoustics Systems Ltd  
Date: 15/10/2020  
System installed: Poltrack Spraycoat System



15/10/2020 Page 1 of 4

**POLTRACK SPRAYCOAT  
EN 14877**

**ACOUSTOSCAN**  
**Laboratory Report**

Assessment of KDF to the performance of EN14877:2012 laboratory test requirements for acoustic ceiling materials for ceiling systems.  
Product: Colorflex System

**Client:**

Company:	KDF - Acoustics Systems Ltd
Contact:	Operations Dept., 11011 Thorncliffe Road, 20001
	Alan Robinson

**Description of Surface:**

Supplier name: KDF  
Date: 15/10/2020  
System installed: Colorflex System



15/10/2020 Page 1 of 4

**COLORFLEX EN 14877**