

# KDF

Sports Flooring Systems & Building Materials

## SMARTFLOOR-EX OUTDOOR SPORT SYSTEM



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

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

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

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

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

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

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

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

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) - 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
- ALEXANDRIA STADIUM - ALEXANDRIA, EGYPT - 8500 m<sup>2</sup> - Running track
- 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
- EMIRATES INTERNATIONAL SCHOOL - DUBAI, U.A.E - 4000m<sup>2</sup> - Safepol System, Playground flooring
- SPORTS CLUB CENTER GLIFADA - ATHENS, GREECE - 4000m<sup>2</sup>- Poltrack Spraycoat, Running Track
- HH KHALID BIN BANDAR - RIYADH, KSA - 3800 m<sup>2</sup> - Volleyball/basketball rubber courts
- 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
- 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 - SERVIA, GREECE - 3200m<sup>2</sup> - Poltrack Sandwich, Running Track

-KING KHALID UNIVERSITY - ABHA, KSA - 3100 m<sup>2</sup> - Running track

-SPORTS CLUB CENTER "PAPAGO" - 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

-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>

-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 COMMAND MAHAWI - ABU DHABI, UAE - 1900m<sup>2</sup> - Football court

-UNITED (SABIC) SPORTS CLUB - 1900 m<sup>2</sup> - Rubber flooring

-SCHOOLS MINISTRY OF EDUCATION - KHAMIS, KSA - 1800 m<sup>2</sup> - Rubber flooring

-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 SCHOOLS OF CIVIL - RIYADH, KSA - 1650m<sup>2</sup> - PU glue/Soccer field

-GD GOENKA PUBLIC SCHOOL - 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

-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 flooring**  
**-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 courts**  
**-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**  
**-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**  
**-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

-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

-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**

**-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**

**-NORTH LONDON COLLEGIATE SCHOOL - DUBAI, U.A.E - Playground flooring**

**-RAK MODERN SCHOOL - RAS AL KHAIMAH, U.A.E - Playground flooring**

**-GIIS/GLOBAL INDIAN INTERNATIONAL SCHOOL - RAS AL KHAIMAH, U.A.E - Playground flooring**

**-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**

**-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**  
**-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 LOTUS PROJECT - CAIRO, EGYPT - Acrylic sports flooring**  
**-RAILWAY SPORTS GROUND - GUNTAKAL, ANDRA PRADESH, INDIA - Acrylic sports flooring**

# PHOTOGRAPHS OF PROJECTS



# OUTDOOR SPORTS FLOORING

## SMARTFLOOR-EX

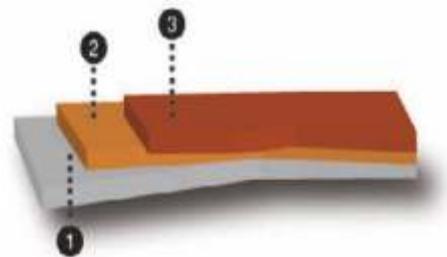
Outdoor resilient and fast-applied acrylic sports flooring system ideal for tennis, basketball, volleyball, handball, football courts, as well as any other outdoor sports courts.

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



### Steps:

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



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

## SYSTEM SMARTFLOOR-EX

Total Thickness 1,5mm

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

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

### Steps :

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

- **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and squeegees.
- Priming of the surface with priming acrylic resin **RITIVEX 1102** for the proper adhesion on the sub-floor. Application of one or more layers until the surface is saturated with airless sprayer or brush. Avoid the creation of puddles of the material. Consumption: 150-200gr/m<sup>2</sup> depending on the absorption of the underlay.
- When the primer begins to dry (approximately 1 hour, depending on the ambient temperature), follows the application of **acrylic colored coating/filler SMARTCOAT 880** for sealing the porosity and smoothing the surface of the subfloor in 2 crossing layers by squeegee. Consumption: 2 kg/m<sup>2</sup> for two layers.

- As soon as the acrylic pore filler **SMARTCOAT 880** dries (24 hours at 23<sup>0</sup>C), follows the application of **SMART TOP 890 in one or two crossing layers**.
- Depending on the ambient temperature **SMART TOP 890** is diluted with 4-5% water (per weight), prior to application, in order to achieve better fluidity. It is applied in one or two coatings by squeegee depending on the desired effect. The next layer follows the other after the previous is dry. Consumption: 0,30 kg/m<sup>2</sup> (one layer) or 0,60 kg/m<sup>2</sup>/mm (two layers).

### **Important Remarks**

- In case of very rough and sharp cement or asphalt surfaces it is recommended to grind the surface with a mosaic or milling machine, and sandblast before the application of **SMARTCOAT 880**.
- **SMART TOP 890** should not be applied in more than 0,30 kg/m<sup>2</sup> per layer. In case of high temperature during summer, layers with more consumption than 0,30 kg/m<sup>2</sup> per layer should be avoided because the material may crack due to the rapid evaporation of water. Additional thickness is achieved only by repeated layers.
- During temperatures over 40 degrees, ideal time for the application of **SMARTFLOOR SYSTEM** is between 22:00 and 09:00 and the minimum temperature during application and drying should be over 10<sup>0</sup>C.
- The freshly coated surface should be protected from high temperatures, wind, rain and frost for at least the first 24 hours.
- In case it gets damaged, it is simply repaired and recoated on the spot.

### **Substrate**

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

#### **A. Asphalt Substrate**

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

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

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



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

**Tools:**



**AIRLESS SPRAYER**



**BRUSH**



**SQUEEGEE**



**SHORT HAIR  
MOHAIR ROLLER**

**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.

# RITIVEX R LIQUID 1102

ACRYLIC, ADHESIVE RESIN FOR MULTIPLE USES

## GENERAL CHARACTERISTICS

- Acrylic, adhesive, joining resin, water - based.
- It is the suitable primer before the application of **ELASTOSPORT 853, ELASTOTURF 851 and CORRIDOL 864** on athletic courts.
- It is used mainly as primer on asphalt and as primer for joining old and new concrete and as a primer on surfaces, before over coating them with concrete paints, emulsion paints, or cementitious coatings.
- **Ritivex R LIQUID 1102** is applied in thin films.

## TECHNICAL DATA

Appearance:	Water emulsion
Colors:	White
Density:	1.0-1.1 kg/lit at 25°C
Viscosity:	15-45 mPa sec at 25°C
Temperature for the application and drying of the material:	10 – 40°C

## CONSUMPTION

200-400 gr/m<sup>2</sup> depending on the type, roughness and absorbency of the underlay.

## PACKAGING

Supplied in 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.

## CAUTION

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

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

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

# SMARTCOAT 880

## REPAIRING ACRYLIC COLORED COATING/ FILLER FOR EXTERNAL ATHLETIC COURTS

### GENERAL CHARACTERISTICS

**SMARTCOAT 880** is acrylic-based, one-component, colored coating for external basketball, tennis, volleyball and handball courts.

- Applied on asphalt and cement surfaces for the creation of a sub floor for athletic courts that does not need maintenance.
- Smoothens and upgrades rough courts in two or more layers depending on the porosity of the flooring.
- Minimizes the cost of reparation of sports grounds.
- Applied easily without prior experience. Water can be added gradually up to 3% per weight.
- In case of athletic courts, **SMARTCOAT 880** should be covered next day with coating for sports grounds **SMART TOP 890**.

#### Provides:

- Safe game.
- Perfect bounce of the ball.
- Resistance to weather conditions.

### TECHNICAL DATA

Basis:	one-component acrylic resin, fillers
Appearance:	viscous liquid
Colors:	24 colors according to our colorchart
Viscosity:	35.000-45.000 mPa s at 25°C
Density:	1.75 - 1.85 Kg/Lt
Temperature for the application and drying of the material:	10 – 40°C
Walkability:	after 24h at 25°C

### PREPARATION-APPLICATION

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

- **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and squeegees.
- Priming of the surface with joining resin **RITIVEX 1102** for the proper adhesion of the material. Application of one or more layers until the surface is saturated. Avoid the creation of puddles of the material. Consumption: 200 - 400 gr/m<sup>2</sup>, depending on the absorption of the underlay.
- When the primer begins to dry (approximately 1 hour depending on the ambient temperature), follows the application of **SMARTCOAT 880**.
- **SMARTCOAT 880** is applied in two or more layers, depending on the desirable thickness and the roughness of the surface, by Squeegee. Each new coating is applied after the previous one starts to dry.

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## CONSUMPTION

2 kg/m<sup>2</sup> in two layers, depending on the porosity of the surface.

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## APPLICATION TOOLS

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

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## PACKAGING

Supplied in barrels.

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## STORAGE

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

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## REMARKS

- In case of extremely rough and sharp cement or asphalt surfaces it is recommended grinding of the surface with a mosaic machine, sandblast or rotor machine before the application of **SMARTCOAT 880**.
  - Application and drying of **SMARTCOAT 880** must take place during cool hours. During summer or in hot climates, ideal time for the application of the material is between 22:00-9:00 a.m. and the minimum bearing temperature during application and drying should be 10 C.
  - The freshly coated surface should be protected from high temperatures, wind, rain and frost for at least the first 24 hours.
  - Higher lining thickness is achieved with repeated layers.
  - For covering cracks, or holes it is recommended the addition of 20-30% quartz sand to **SMARTCOAT 880's** weight (grain thickness from 0.3-0.5 mm).
  - In case it gets damaged, it is simply repaired and recoated on the spot.
  - In case **SMARTCOAT 880** needs a bit more workability, water can be added gradually up to 3% on the total mix.
- 

## 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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# SMART TOP 890

## ACRYLIC, SPECIAL, COATING FOR EXTERNAL SPORT FIELDS

### GENERAL CHARACTERISTICS

**SMART TOP 890** is acrylic-based, colored coating for external sport fields.

- Applied on asphalt and cement waterproofed surfaces without rising humidity issues following the application **SMARTCOAT 880**.
- Ideal for basketball, volleyball, handball, football and tennis external courts. Suitable for sports centers, schools, fitness centers, pavements.
- Applied easily, having low cost.
- Provides a safe, high quality game.
- For the creation of lines in sport courts it is recommended the use of acrylic paint **ELASTOMARK 818** in any desirable color.

### TECHNICAL DATA

Basis:	one-component acrylic resin
Appearance:	viscous liquid
Colors:	24 colors according to our colorchart
Viscosity:	25.000 – 35.000 mPa s at 25°C
Density:	1.70 – 1.80 Kg/Lt
Temperature for the application and drying of the material:	10 – 40°C
Walkability:	after 24 hours at 25°C
Total Hardening:	5 days at 25°C

### PREPARATION-APPLICATION

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

- **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and squeegees.
- Priming of the surface with bonding resin primer **RITIVEX 1102** for the proper adhesion of the sub-floor. Application of one or more layers until the surface is saturated. Avoid the creation of puddles of the material. Consumption: 200 - 400 gr/m<sup>2</sup>, depending on the absorption of the underlay.
- When the primer begins to dry (approximately 1 hour depending on the ambient temperature), follows the application of **SMARTCOAT 880** for sealing the pores of underlay.
- As soon as **SMARTCOAT 880**, dries (24 hours at 25°C), follows the application of **SMART TOP 890** by squeegees and rollers in thin film.
- Depending on the ambient temperature **SMART TOP 890** is diluted with 5-10% water, prior to application, in order to achieve better fluidity. It is applied in 1mm thickness, in two or three coatings depending on the desirable thickness. The next layer follows the other after the previous starts to dry.

### CONSUMPTION

0.3 – 0.35 kg/m<sup>2</sup> per layer, recommended in 2 layers or more.

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**APPLICATION  
TOOLS**

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

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**PACKAGING**

Supplied in barrels.

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**STORAGE**

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

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**REMARKS**

- In case of extremely rough and sharp cement or asphalt surfaces it is recommended grinding of the surface with a mosaic machine, sandblast or rotor machine before the application of **SMARTCOAT 880**.
  - During summer or hot climates, ideal time for the application of **SMART TOP 890** is between 22:00-9:00 a.m. and the minimum bearing temperature during application and drying should be 10 C.
  - The freshly coated surface should be protected from high temperatures, wind, rain and frost for at least the first 48 hours.
  - In case it gets damaged, it is simply repaired and recoated on the spot.
- 

**CAUTION**

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

**For more information consult the 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.

# **CLEANING AND MAINTENANCE MANUAL FOR :**

## **-OUTDOOR SPORTS FLOORING**

## **-PLAYGROUND FLOORINGS**

### **Introduction**

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

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

### **Maintenance**

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

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

These objectives are achieved by :

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

### **Maintenance Equipment**

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

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

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

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

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

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

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

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

Polymeric surfaces can with stand 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



POLYFLEX AEL-EX



FLEXFLOOR-EX



SPORTFLOOR-EX



POLTRACK EQUINE



BADMINTON POLYFLEX PU



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