

KDF

Sports Flooring Systems & Building Materials



POLYFLEX AEL-EX OUTDOOR SPORT SYSTEM



www.kdf.gr

KDF LTD (www.kdf.gr) is one of the most dynamic and export-oriented Greek companies (currently activated in more than 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) - 40000m² EPDM Rubber flooring
- UNIVERSITY OF DAMMAM - KSA - 13000m² - Acrylic cushion floorings
- KING ABDULLAH BASE AIR DEFENSE - TAIF, KSA - 12600 m² - Running track
- KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS-DHARAN, KSA-12400m²-Rubber outdoor flooring
- RUNNING TRACK - K.S.A- 11000 m² - Running track, POLTRACK SANDWICH system
- GEMS SCHOOL - DUBAI, U.A.E - 10000 m² - Running track
- PASARGRAD WHOLESALE MARKET-IRAN - 10000 m² - Decorative flooring
- YAS ISLAND, ABU DHABI, U.A.E - 10000m² Bicycle track
- ALEXANDRIA STADIUM - ALEXANDRIA, EGYPT - 8500 m² - Running track
- SALAM STREET & MINA ROAD, ABU DHABI, U.A.E - 8000m² Bicycle track, Sportground-Ex system
- KING FAHAD NAVAL BASE - JUBAIL, KSA - 8000m² - Running track
- MUNICIPALITY OF VELVENTO - KOZANI, GREECE - 8000m², Running track
- ABBHA, KSA - 7600m² - Running track
- MUNICIPALITY OF ZENICA - ZENICA, BOSNIA& HERZEGOVINA - 7500m², Poltrack Spraycoat, Running track
- ADNOC SCHOOLS - U.A.E - 7000m² - Safepol system
- ATLAS CENTER-BAM, IRAN - 7000 m² - Decorative flooring
- RUNNING TRACK - SUDAN - 7000 m² - Running track, POLTRACK SPRAYCOAT system
- CORNISH, JEDDAH, K.S.A - 6000m² Bicycle track Sportground-Ex system
- YOKOGAWA ELECTRIC CORPORATION-DHAHRAN TECHNO VALLEY-DAMMAM, KSA - 5500m²- Epoxy antistatic floorings
- AMITY INTERNATIONAL SCHOOL - ABHU DHABI, U.A.E - 5500m², Poltrack Spraycoat, Running Track
- SHUQAIQ WATER AND ELECTRICITY COMPANY - JIZAN, KSA - 5400 m² - acrylic courts
- TALEEM UPTOWN SCHOOLS - DUBAI, UAE - 5400m²-Acrylic sports courts systems
- SAUDI AIR FORCE - KSA - 5250 m² - Acrylic coating elastoturf, running track
- RUNNING TRACK - K.S.A - 5000 m² - Running track, POLTRACK SANDWICH system
- AL HAMRA, RAS AL KHAIMAH, U.A.E - 5000m² Bicycle track, Sportground-Ex system
- AIRBASE IN TAIF - KSA - 5000 m² - Running track
- DEPARTMENT OF EDUCATION ASIR REGION - KHAMIS, KSA - 4500 m² - Running track
- SERVIA STADIUM - KOZANI, GREECE - 4500m², Running track
- COMMUNITY COLLEGE - KHAMIS, KSA - 4200 m² - Running track
- MULTIPLE RUNNING TRACKS - ALGERIA - 40000 m² - Running track, POLTRACK SPRAYCOAT system
- EMIRATES INTERNATIONAL SCHOOL - DUBAI, U.A.E - 4000m² - Safepol System, Playground flooring
- SPORTS CLUB CENTER GLIFADA - ATHENS, GREECE - 4000m²- Poltrack Spraycoat, Running Track
- HH KHALID BIN BANDAR - RIYADH, KSA - 3800 m² - Volleyball/basketball rubber courts
- ANATOLIA GOLLEGE - THESSALONIKI, GREECE - 3600m², Running track
- AIMARJAN ASLAND – PARTIAL - 3600m²- Poltrack Sandwich, Running Track
- RUNNING TRACK - ISRAEL - 3500 m² - Running track, POLTRACK SANDWICH system
- SPORTS CLUB CENTER KISSAMOS - CRETE, GREECE - 3200m²- Poltrack Sandwich, Running Track
- AL LUSAIL SPORTS CLUB - DOHA, QATAR - 3200m² - Jogging track
- SPORTS CLUB CENTER - SERVIA, GREECE - 3200m² - Poltrack Sandwich, Running Track

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

-SPORTS CLUB CENTER "PAPAGO" - ATHENS, GREECE - 3000m² - Poltrack Sandwich, Running Track

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

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

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

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

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

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

-ALHOSN SPORTS COMPLEX - 2400 m² - Running track, POLTRACK SANDWICH system

-TEACHERS COLLEGE - ABHA, KSA - 2050 m² - Running track

-MUSAB BIN OMAIR BOYS SCHOOL - BIN OMRAN, QATAR - 2050 m² - PU outdoor sport flooring

-BURAIRAT SCHOOL - RAK, UAE - 2000 m² - Running track

-HADAYEK ALAHRAM CLUB - GIZA, EGYPT - 2000m², PU outdoor sports flooring, POLYFLEX PU-EX WET-POUR system

-AL SAILIYA BOYS SCHOOL - AL SAILIYA, QATAR - 2000 m² - Polyurethane, outdoor sport flooring

-KING KHALID UNIVERSITY - ABHA, KSA - 2000 m² - Volleyball/basketball rubber courts

-HH KHALID BIN BANDAR - RIYADH, KSA - 2000 m² - Volleyball/basketball rubber courts

-RAWDA RASHEED PRIMARY SCHOOL FOR BOYS - 2000 m²

-AL WAKAIR BOYS SCHOOL - AL WAKRAH, QATAR - 1950 m² - Polyurethane, outdoor sport flooring

-THE LAKE DISTRICT - PUNE, INDIA - 1950m²- Acrylic sports courts

-PRESIDENTIAL GUARD COMMAND MAHAWI - ABU DHABI, UAE - 1900m² - Football court

-UNITED (SABIC) SPORTS CLUB - 1900 m² - Rubber flooring

-SCHOOLS MINISTRY OF EDUCATION - KHAMIS, KSA - 1800 m² - Rubber flooring

-AL MAJAD AMPHITHEATER - SHARJA, UAE - 1800m² - Certified Jogging track

-QASSIM UNIVERSITY - KSA - 1800 m² - Polyurethane sports flooring

-AL QADSIYA MODEL INDEPENDENT SCHOOL - ALWAAB, QATAR - 1770 m² - PU outdoor sport flooring

-AL WAHDA SPORT ACADEMY CLUB - ABU DHABI, UAE - 1700 m² - Acrylic sports system

-ALSARH SCHOOLS OF CIVIL - RIYADH, KSA - 1650m² - PU glue/Soccer field

-GD GOENKA PUBLIC SCHOOL - PURNIA, INDIA - 1630m²- Acrylic sports courts

-SPA RESORT DERENIVSKUPIA KI - UZHGOROD, UKRAINE - 1600 m² - Flexfloor-ex system, volleyball court

-THE MILITARY HOSPITAL - RIYADH, KSA - 1560 m² - Volleyball/basketball rubber courts

-THE MILITARY HOSPITAL - RIYADH, KSA - 1560 m² - Pu glue-PU sports flooring

-AL FORSHAN SPORTS CENTRE - ABU DHABI, U.A.E - 1500m² - Smartfloor system, Acrylic flooring

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

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

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

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

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

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

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

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

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

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

-POLICE COMPLEX BARRACKS KATMATMILAH SITE - OMAN- 1300 m² - Colorflex, PU sport flooring
-POLICE COMPLEX BARRACKS SUWAIQ - OMAN - 1300 m² - Colorflex, PU sport flooring
-POLICE COMPLEX BARRACKS AL KAMIL - OMAN - 1300 m² - Colorflex, PU sport flooring
-PLAYGROUND FLOORING - BAHRAIN - 1300m² - Safepol system
-POLICE COMPLEX BARRACKS SHINAS - OMAN - 1300 m² - Colorflex, PU sport flooring
-POLICE COMPLEX BARRACKS BHALA - OMAN - 1300 m² - Colorflex, PU sport flooring
-POLICE COMPLEX BARRACKS MUDHAIBI - OMAN - 1300 m² - Colorflex, PU sport flooring
-POLICE COMPLEX BARRACKS THUMRAIT - OMAN - 1300 m² - Colorflex, PU sport flooring
-POLICE COMPLEX BARRACKS AL KHOUDH - OMAN - 1300 m² - Colorflex, PU sport flooring
-POLICE COMPLEX BARRACKS MAHDAH - OMAN - 1300 m² - Colorflex, PU sport flooring
-POLICE COMPLEX BARRACKS BID BID - OMAN - 1300 m² - Colorflex, PU sport flooring
-POLICE COMPLEX BARRACKS AL KHABOORA - OMAN - 1300 m² - Colorflex, PU sport flooring
-POLICE COMPLEX BARRACKS DHANK - OMAN - 1300 m² - Colorflex, PU sport flooring
-POLICE COMPLEX BARRACKS HAFEET - OMAN - 1300 m² - Colorflex, PU sport flooring
-POLICE COMPLEX BARRACKS AUQAD - OMAN - 1300 m² - Colorflex, PU sport flooring
-POLICE COMPLEX BARRACKS SUMAIL - OMAN - 1300 m² - Colorflex, PU sport flooring
-ALHALAFI BREAK - RIYADH, KSA - 1276 m² - Rubber flooring
-GI-DHOFAR BEACH RESORT & SPA - OMAN - 1225 m² - Colorflex, PU sport flooring
-RLS BASIC EDUCATION SCHOOL SOHAR - OMAN - 1225 m² - Colorflex, PU sport flooring
-MIXED BASIC EDUCATION SCHOOL AL QABIL - OMAN - 1225 m² - Colorflex, PU sport flooring
-BOYS BASIC EDUCATION SCHOOL BARKHA - OMAN - 1225 m² - Colorflex, PU sport flooring
-GIRLS BASIC EDUCATION SCHOOL MUDHAIBI - OMAN - 1225 m² - Colorflex, PU sport flooring
-MIXED BASIC EDUCATION SCHOOL AL AMERAT - OMAN - 1225 m² - Colorflex, PU sport flooring
-UMSALAMA GIRLS SCHOOL - AL RAYYAN, QATAR - 1200 m² - Polyurethane, outdoor sport flooring
-SHERATON PARK - DOHA, QATAR - 1200 m² - Playground flooring
-RAWDA BIN JASSIM SCHOOL - AL AZIZIYAH, QATAR - 1200 m² - Polyurethane, outdoor sport flooring
-GEMS WESTMINISTER SCHOOL - DUBAI, U.A.E - 1200 m² - Acrylic sports courts
-SILVER SPORTS CLUB - INDIA - 1200m²- Acrylic sports courts
-OUR OWN SCHOOL - SHARJA, U.A.E - 1200m² - Acrylic sports courts
-SHARJAH FOOTBALL CLUB - SHARJAH, UAE - 1200 m² - Polyurethane basketball courts
-SHERATON PARK - DOHA, QATAR - 1200 m² - Playground flooring
-SYMBIOSIS COLLEGE - INDIA - 1180m²- Acrylic sports courts
-PROFESSOR ABDULAZIZ ANQARI - RIYADH, KSA -1150m² - PU glue/Socccer field
-AL SAQID ISLAMIC ENGLISH SHCOLL-DUBAI,UAE-1100m²- Acrylic flooring, WET-POUR POLYFLEX AEL-EX
-FIRST POINT SCHOOLS - DUBAI, UAE - 1100m² - Acrylic sports courts
-MAADI BRITISH SCHOOL- EGYPT - 1100m², Multipurpose court, COLORFLEX system
-DUBAI AMERICAN ACADEMY - DUBAI, UAE - 1080 m² - Acrylic sports court
-PRELUDE PUBLIC SCHOOL - AGRA, INDIA - 1070m²- Acrylic sports courts
-ALMGBAL BREAK - RIYADH, KSA - 1050 m² - Rubber playground
-BANIYAS CLUB AND AL AIN ENGLISH SPEAKING SCHOOL - ABU DHABI, UAE - 1000m² - Acrylic flooring
-MINISTRY OF EDUCATION - DAMMAM, KSA - 1000 m² - PU indoor multipurpose sports flooring
-SHEIKH OBEID MAKTHOUM PALACE - 1000m² - Outdoor polyurethane flooring
-INDIAN AIR FORCE - AGRA, INDIA - 1000m²- Acrylic sports courts
-INDIAN AIR FORCE - LUCKNOW, INDIA - 1000m² - Acrylic sports courts

-MULTIPURPOSE POLYURTEHANE INDOOR COURTS - F.Y.R.O.M - 1000m² - Polyflex PU-In system
-SODIC PROJECT - EGYPT - 1000m², Multipurpose court, COLORFLEX system
-INDIAN AIR FORCE - VARANASI, INDIA - 1000m² - Acrylic sports courts
-INTERNATIONAL SCHOOL OF CREATIVE SCHIENCE - SHARJAH, U.A.E - 1000m² - Safepol System
-INDIAN AIR FORCE - BIHTA, INDIA - 1000m² - Acrylic sports courts
-INDIAN AIR FORCE - DARBHANGA, INDIA - 1000m² - Acrylic sports courts
-AL AIN INDIAN SCHOOL - AL AIN, UAE - 1000m² - Football court
-DUBAI SCHOLRAS PRIVATE SCHOOL - DUBAI, U.A.E - 1000m² - Acrylic flooring in 2,2mm
-COMMUNITY COLLEGE - KHAMIS, KSA - 940 m² - Polyurethane indoor multipurpose sports flooring
-GEMS METROPOLE SCHOOL - DUBAI, U.A.E - 900 m² - Playground flooring
-MINISTRY OF EDUCATION - ABHA, KSA - 900 m² - Polyurethane indoor multipurpose sports flooring
-BAB AL SHAMS SPA HOTEL - DUBAI, UAE - 900m² - Football court
-KING KHALID UNIVERSITY - ABHA, KSA - 820 m² - Polyurethane indoor multipurpose sports flooring
-SCHOOL IN AL WAKRA CITY - DOHA, QATAR - 800m² - Polyurethane sports flooring
-SULTAN MANOR - RIYADH, KSA - 800 m² - Polyurethane multipurpose sports flooring
-MINISTRY OF EDUCATION - AL KHARIZ, KSA - 800 m² - PU indoor multipurpose sports flooring
-DUBAI ENGLISH SPEAKING COLLEGE - DUBAI, UAE - 783m² - Acrylic flooring, SPORTFLOOR-EX, HARD COURT
-SINGAPORE AIRLINES - SINGAPORE - 735m² - PU indoor sports flooring
-AL DAJAN COMPANY - GASIM, KSA - 722 m² - Polyurethane sports flooring/Tennis court
-SELECTIVE GOVERNMENT HIGH SCHOOL - EGYPT - 720m², Outdoor sports flooring
-INDIAN AIR FORCE - AHMEDABAD, INDIA - 720m² - Acrylic sports courts
-FITNESS TIME - FAYSALIA, DAMMAM, KSA - 700 m²-PU indoor multipurpose sports flooring/running track
-FITNESS TIME YASMEEN - RIYADH, KSA - 700 m² - PU indoor multipurpose sports flooring/running track
-FERRARI WORLD - ABU DHABI, UAE - 700m² - Playground flooring
-FITNESS TIME JUNIOR - RIYADH, KSA - 700 m² - PU indoor multipurpose sports flooring/running track
-FITNESS TIME - OLAYA RIYADH, KSA - 700 m² - PU indoor multipurpose sports flooring/ running track
-FITNESS TIME WAHA - RIYADH, KSA - 700 m² - PU indoor multipurpose sports flooring/running track
-FITNESS TIME, NOOR BRANCH - DAMMAM, KSA -700 m² - PU indoor sports flooring and running track
-FITNESS TIME, ALAMEEN BRANCH - DAMMAM, KSA - 700 m² - PU indoor sports flooring and running track
-FITNESS TIME, PLUS RIYADH - RIYADH, KSA - 700 m² - PU indoor sports flooring and running track
-FITNESS TIME, SALAMA BRANCH BRO & FITNESS - JEDDAH, KSA - 700 m² - PU indoor sports flooring
-FITNESS TIME, 40th BRANCH - JEDDAH, KSA - 700 m² - PU indoor sports flooring and running track
-NASR CLUB- EGYPT - 700m², Multipurpose court, POLYFLEX WET-POUR system
-HUREL DOUBLE 3 - RAS AL KHAIMH, KSA - 700 m² - Shockpad plus acrylic coatings
-THE SUSTAINABLE CITY - DUBAI, U.A.E - 700 m² - Acrylic flooring
-EMAAR - EMIRATES HILLS 2 - DUBAI, U.A.E - 700m² - Basketball court, Acrylic flooring
-AIRFORCE SURBOTO PARK - NEW DELHI, INDIA - 680 m² - Polyurethane outdoor sports flooring
-INDIAN ARMY - DHRANGDHARA, INDIA - 670m² - Acrylic sports courts
-MT.SAINT PATRICK ACADEMY - INDIA - 665m²- Acrylic sports courts
-REGIONAL HQ AT BURAIMI - OMAN - 650 m² - Colorflex, PU sport flooring
-ROYAL OMAN POLICE TASK FORCE RUSTAQ - OMAN - 650 m² - Colorflex, PU sport flooring
-ROYAL OMAN POLICE TASK FORCE LIWA - OMAN - 650 m² - Colorflex, PU sport flooring
-ROYAL OMAN POLICE TASK FORCE AL SALIL - OMAN - 650 m² - Colorflex, PU sport flooring
-ROYAL OMAN POLICE TASK FORCE IBRI - OMAN - 650 m² - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE IBRA - OMAN - 650 m² - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE AL SUR - OMAN - 650 m² - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE AL DUKUM - OMAN - 650 m² - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE AL BURAIMI - OMAN - 650 m² - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE AL NIZWA - OMAN - 650 m² - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE AL SUWAIQ - OMAN - 650 m² - Colorflex, PU sport flooring

-ABU DHABI MUNICIPALITY - ABU DHABI , UAE - 650 m² - Acrylic flooring

-ROYAL OMAN POLICE TASK FORCE AL SALALAH - OMAN - 650 m² - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE AL BARKHA - OMAN - 650 m² - Colorflex, PU sport flooring

-ROYAL OMAN POLICE TASK FORCE KHOUDH - OMAN - 650 m² - Colorflex, PU sport flooring

-MOHAMMED JASSIM M AL THANI SCHOOL - UMSALALALI, QATAR - 620 m² - PU outdoor sport flooring

-QATAR GEMS SCHOOL - DOHA, QATAR - 615 m² - Polyurethane sports flooring

-VAISHNO DEVI - DELHI, INDIA - 608 m² - Polyurethane outdoor sports flooring

-INDIAN ARMY - AGRA, INDIA - 600m²- Acrylic sports courts

-THE INTERNATIONAL SCHOOL - AGRA, INDIA - 600m²- Acrylic sports courts

-INDIAN ARMY - JHANSI, INDIA - 600m²- Acrylic sports courts

-THE SUSTAINABLE CITY - DUBAI, U.A.E - 600 m² - Safepol system

-AMITY SCHOOL, JUMEIRAH ISLAND - DUBAI, UAE - 600 m² - Safepol system

-OUR OWN ENGLISH HIGH SCHOOL - SHARJAH, U.A.E - 600 m² - Flexfloor system

-OUR OWN ENGLISH HIGH SCHOOL - SHARJAH, U.A.E - 600 m² - Polyflex Ael-EX system

-NEW DUBAI BRADENTON SCHOOL- DUBAI, UAE - 570 m² - Acrylic sports courts

-DUBAI SILICON OSIS-CENTRAL PARK, DSO - DUBAI, UAE - 560 m² - Jogging track

-MPS WORLD SCHOOL - AGRA, INDIA - 560m²- Acrylic sports courts

-AL WUKAIR GIRLS SCHOOL - AL WAKRAH, QATAR - 550 m² - Polyurethane, outdoor sport flooring

-BBPS - DELHI, INDIA - 512 m² - Polyurethane outdoor sports flooring

-IVY STATE - PUNE, INDIA - 511m²- Acrylic sports courts

-KUNAL ICONIA - INDIA - 510m²- Acrylic sports courts

-AMERICAN SCHOOL OF DUBAI - DUBAI, UAE - Acrylic sports courts

-ETIHAD MUSEUM - JUMEIRAH, DUBAI, UAE - Rubber flooring

-CARPARKING - ABU DHABI, UAE - Acrylic flooring

-DUBAI MILLENIUM SCHOOL - QUSAIS, UAE - Acrylic sports courts

-AMERICAN UNIVERSITY - DUBAI, UAE – Acrylic outdoor sports flooring

-RAK ACADEMY - RAK, UAE - Acrylic flooring

-ISCS - SHARJA, UAE - Acrylic flooring

-THE INTERNATIONAL SCHOOL OF CHOUEIFAT - AJMAN, U.A.E - Sportground-Ex system

-THE KINDER GARDEN STARTERS - DUBAI, U.A.E - Safepol system

-AL ZAHIA PROJECT - SHARJA, UAE - Safepol system

-WADY DEGLA SHERATON CLUB - CAIRO, EGYPT - Acrylic sports flooring

-GEMS WELLINGTON SCHOOL - DUBAI, U.A.E - Safepol system

-JUMEIRAH RETAIL DEVELOPMENT - JUMEIRAH, DUBAI, UAE - Safety rubber flooring

-MR.ABDULRHMIN - JUBAIL, KSA - Rubber playground

-GEMS WESTMINISTER SCHOOL - DUBAI, U.A.E - Safepol system

-POLYURETHANE INDOOR SPORTS COURT - TIRANA, ALBANIA - Polyflex PU-In system

-MULTIPURPOSE COURTS - ODESSA, UKRAINE - Rubber flooring

-MULTIPURPOSE COURTS - ZHOVKVA, UKRAINE - Rubber flooring

-MUNICIPAL TENNIS CLUB - PATRA, GREECE - Flexfloor-EX system, Acrylic sports courts

-INDIAN AIR FORCE - GORAKHPUR, INDIA - Acrylic sports courts

-INDIAN AIR FORCE - BAREILLY, INDIA - Acrylic sports courts

-INDIAN ARMY - BABINA, INDIA - Acrylic sports courts

-ADAM AIRBASE PACKAGE 8, OMAN - Colorflex, PU sport flooring

-GOLD GYM - KOLKATTA, INDIA - Polyurethane indoor sports flooring

-MINISTRY OF FOREIGN AFFAIRS - ABU DHABI, UAE - Polyurethane flooring

-SHRJAH SPORTS CLUB - SHARJAH, UAE - Polyurethane flooring

-GEMS WINCHESTER SCHOOL - AL BARSHA SOUTH, UAE - Acrylic sports system

-HOTEL DOUBLE 3 - RAS AL KHAIMAH, UAE - Prefabricated shock-pad 4mm plus acrylic coatings

-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



ITF CLASSIFICATION FOR POLYFLEX AEL-EX SYSTEM



CLASSIFIED COURT PACE

2

MEDIUM-SLOW

POLYFLEX AEL EX

as supplied by

Kataskeves Dapedon Ltd.

has been classified as

CATEGORY 2 - Medium-slow

Expiry Date : 20 March 2021

Jamie Capel-Davies
Head, Science & Technical

A handwritten signature in black ink, appearing to read 'J. Capel-Davies'.



This Classification was established using the product composition described in test report no. 01/02-17-L-LFR-387-A

Note: ITF classification does not imply any form of ITF approval or endorsement

OUTDOOR SPORTS FLOORING

POLYFLEX AEL-EX

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

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

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



Steps:

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

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

2. ISOPOL 854 - Shock-pad in rolls.

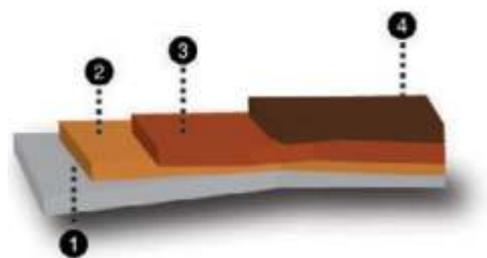
Elastic, prefabricated shock-pad made of recycled rubber granules providing shock-absorbency, in thickness of 4mm up to 12mm. Used as cushion substrate before the application of polyurethane or acrylic systems.

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

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

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

Applied by short haired mohair roller and airless sprayer.



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

SYSTEM POLYFLEX AEL – EX
Total thickness of 6mm – 14mm
Classified by I.T.F. - International Tennis Federation



Outdoor highly flexible, acrylic system ideal for tennis, basketball, volleyball, handball, multipurpose courts, as well as any other outdoor sports court. Combination of prefabricated shock-pads and acrylic coating in average total thickness of 6 mm – 14mm.

Steps :

1. **PU FLEX 140 – Special, polyurethane, two component, adhesive.** Applied with a V-notched trowel of 2mm.
2. **ISOPOL 854 – Shock-pad in rolls.**
3. **ELASTOTURF 851 - Acrylic, elastic, slip resistant coating for sports floors systems.** Applied by squeegee in 2 layers at least.
4. **ELASTOMARK 818 - Elastic, acrylic coating for indoor and outdoor surfaces.**
Applied by a short-haired mohair roller and airless sprayer.

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.
- Application of polyurethane glue, **PU FLEX 140**, with V-notch trowel with 2mm teeth. Consumption: 1kg/m².
- Place the **ISOPOL 854** rolls on the floor in their final positions without gluing them. Lift each side of each roll and apply the PU glue by a V-notch trowel with 2mm teeth and then glue the rolls immediately without waiting. In case there are small bulges (humps, swollen parts) on the roll after its application, you'll have to tear it around the edge of the hump without removing it completely, raise that small part, put some PU glue underneath and glue the hump part again, making sure this time it's flat. Weights such as sand bags have to be used on the edges, corners and seams of the shock absorbent roll surface installation until the PU glue is cured. Then you

let everything dry. Do not overlap the rolls but bring them as close together as possible to eliminate gaps. The usage of a light cylinder (10-15kg maximum) will help to compact the rolls on the floor. It is recommended that the joints (only) are covered flush with ELASTOTURF 851 or PU FLEX 140 with a flat trowel (or a brush) along their whole length, so that the surface is leveled out. Next day the joints are ground lightly with sandpaper or other grinding device to smooth out the joints with the rest of the surface and create the required roughness.

- Depending on the ambient temperature **ELASTOTURF 851** is diluted with water up to 2%, prior to application, in order to achieve better fluidity. It is applied in two or more coatings by squeegee, depending on the desired thickness. The next layer follows the other after the previous starts to dry. Consumption: 1.7-2kg/m² for 2 layers.
- The final acrylic layer **ELASTOMARK 818** is applied by a short-haired mohair roller and airless sprayer.

Important Remarks

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

Substrate

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

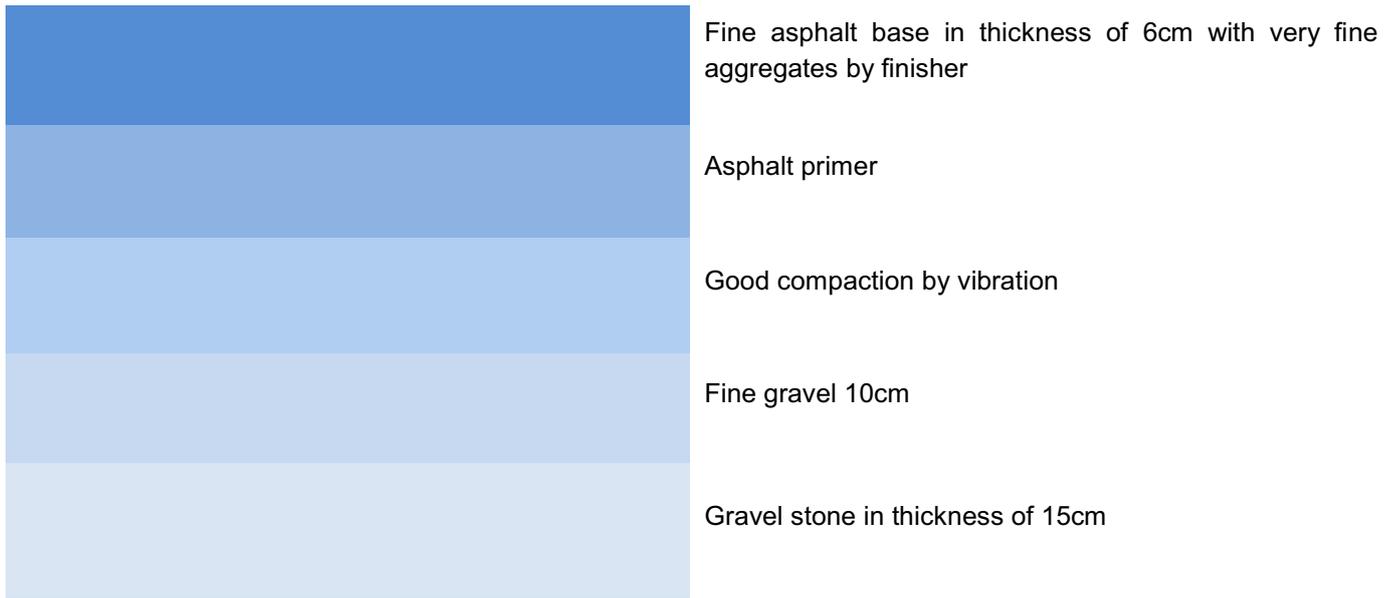
A. Asphalt Substrate

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

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

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

Asphalt Infrastructure



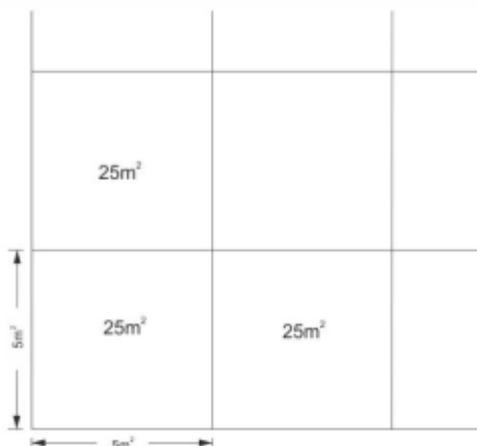
B. Concrete Surface

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

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

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

Always make expansion joints in large areas of concrete, in order to avoid uncontrollable cracks and failures. Joints should be every 25 square meters creating a grid of 5x5 meters or close to that.



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

Tools:



Colors: Following colorchart.

This is a classified system by I.T.F. - International Tennis Federation.



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



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

PU FLEX 140

SPECIAL PU GLUE FOR THE APPLICATION OF PREFABRICATED SHOCK ABSORBENT ROLLS

GENERAL CHARACTERISTICS

PU FLEX 140 is a two component, adhesive for the application of prefabricated shock-absorbent rolls made of recycled rubber or from EPDM granules and also for safety tiles.

- It is applied on dry, sealed surfaces of mosaic, concrete or asphalt.
- Suitable for interior and exterior use.
- Provides good filling properties.
- Non shrinking.

TECHNICAL DATA

Mixing ratio:	93.33 : 6.67 (By weight)
Density (25°C):	1.80-1.90 kg/lit
Viscosity	15.000-26.000 mPas
Pot-life (25°C):	20-30 min.
Application temperature:	Min 10°C
Curing (25°C and %60 relative humidity):	6 - 9 hours
Color and odor:	Beige

PREPARATION-APPLICATION

Applied only on dry, level 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 using brushes and air spray.
- Good mixing of components A (resin) & B (hardener) packed into separate containers in fixed weight proportions. Mixing should be performed using a 300-600 rpm mixer for 2-3 min until a uniform mass is obtained. Stirring of the mixture should be performed thoroughly near the sides and bottom of the container in order to achieve uniform dispersion of the hardener.
- The mixed adhesive **PU FLEX 140** is applied under each roll using a V notched trowel (2mm), as soon as possible in order to avoid any problems with the limited pot life. A roller should be used on the top of the shock absorbent rolls within an hour after the adhesive has been mixed.
- Light foot traffic is permitted after 6 hours. Full curing needs 2 days.

CONSUMPTION

1 – 1.5 kg/m² depending on the sub-floor and type of floor covering.

APPLICATION TOOLS

V - Notched trowels (2mm). Tools should be cleaned with **PU SOLVENT** immediately after use.

PACKAGING

Supplied in set of 24 Kg.

STORAGE

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

REMARKS

- Working time of **PU FLEX 140** decreases when ambient temperature rises.
 - Avoid application of **PU FLEX 140** during rain, moist or foggy weather.
 - Prolonged storage of partially used containers containing **PU FLEX 140** must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.
 - When laying flooring over an underfloor heating system, caution must be taken so that the heating system is left in full operation for at least 8-10 days before the application. The screed must be dry prior application. Before laying, however, the heating system must be switched off or reduced, so that a surface temperature of 20-22 °C is not exceeded.
-

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.

ISOPOL 854

SHOCK ABSORBENT UNDERFLOOR

GENERAL CHARACTERISTICS

Elastic, prefabricated roll made of polymerically bound recycled rubber particles for shock-absorbency, in thickness of 3mm up to 14mm. It is covered with the acrylic coating **ELASTOTURF 851** or self-leveling PU coating, in thickness of 2mm, for the creation of athletic floorings for interior & exterior surfaces like basketball, volleyball, handball, football and tennis courts as well as for playgrounds. The point elastic sport surface possess good elasticity and force reduction characteristics as well as fulfilling a protective function for the athletes' joints and muscles. Its special cushion properties are indeed recommended for multipurpose.

Suitable for external & internal courts with acrylic top coatings, internal halls with PU top coating, gyms, cross-fit areas and generally areas which need elastic flooring. Ideal also as sub-floor for athletic tracks.

- Offers noise abatement
- Slip resistant
- Fire resistant
- Environmentally friendly
- Flexible
- Resistant against moisture, heat and mildew
- Easy application

PREPARATION-APPLICATION

The sub-surface on which the material will be installed must be completely dry and clear of all foreign matter and free of dust, dirt, oil or any kind of spills.

The material surface will follow the contours of the sub-surface, which it covers. The smoother the sub-surface, the better the shock-absorbent material surfacing finishes.

Place the **ISOPOL 854** rolls on the floor in their final positions without gluing them. Lift each side of each roll and apply the PU glue by a V-notch trowel with 2mm teeth and then glue the rolls immediately without waiting.

In case there are small bulges (humps, swollen parts) on the roll after its application, you'll have to tear it around the edge of the hump without removing it completely, raise that small part, put some PU glue underneath and glue the hump part again, making sure this time it's flat. Weights such as sand bags have to be used on the edges, corners and seams of the shock absorbent roll surface installation until the PU glue is cured. Then you let everything dry.

Do not overlap the rolls but bring them as close together as possible to eliminate gaps. The usage of a light cylinder (10-15kg maximum) will help to compact the rolls on the floor.

It is recommended that the joints (only) are covered flush with ELASTOTURF 851 or PU FLEX 140 with a flat trowel (or a brush) along their whole length, so that the surface is leveled out. Next day the joints are ground lightly with sandpaper or other grinding device to smooth out the joints with the rest of the surface and create the required roughness.

COLOR

Black.

SURFACE

Fine tuned granules structure.

DIMENSIONS

Rolls Width : 1050mm, 1250mm or 2100mm \pm 1.5%

Rolls Length according to demand.

THICKNESS

4- 14mm \pm 0.3mm

DENSITY

730 kg/m³ \pm 5%

TECHNICAL DATA

Tensile strength: approx.0,56 MPa at 7mm: approx. 0,65 MPa at 10mm (DIN EN ISO 1978)

Elongation at break: approx.57% at 7mm: approx. 60% at 10mm (DIN EN ISO 1978)

Force reduction*: 8 mm Isopol 25 %

10 mm Isopol 30 %

(Value for mats only, not on complete floor)

Vertical deformation*: 1,2 mm at 8 mm Isopol

*Values measured on a sport hall system sample.

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ELASTOTURF 851

SPECIAL, ELASTIC, COATING FOR EXTERNAL SPORT FIELDS

GENERAL CHARACTERISTICS

ELASTOTURF 851 is acrylic-based, elastic, colored, non-slip coating for external sport fields.

- Applied on asphalt and cement waterproofed surfaces without rising humidity issues, following the application of **ELASTOSPORT 853** or **SUPER ELASTOCOAT 842**.
- It can be also combined with prefabricated shock-absorbent rolls in thickness of 4mm to 14mm or a rubber mixture of **SBR granules plus PU BINDER**.
- Ideal for basketball, volleyball, handball, football and tennis external courts. Suitable for sports centers, schools, fitness centers, pavements, hallways.
- Applied easily, having low cost.
- Provides a safe, high quality game.

TECHNICAL DATA

Basis:	one-component acrylic resin
Appearance:	viscous liquid
Colors:	in 24 colors form KDF colorchart
Viscosity:	15.000-22.000 mPa s at 25°C
Density:	1.70 - 1.80 kg/lit
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, except in case of using shock-absorbent rolls, 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.
- When the primer dries (approximately 1 hour depending on the ambient temperature), follows the application of **ELASTOSPORT 853** for sealing the pores of underlay. Alternatively, the substrate can be prefabricated shock-pad in thickness 4-14mm or an in-situ rubber shock-pad of **SBR granules plus PU BINDER**.
- As soon as **ELASTOSPORT 853** or **SUPER ELASTOCOAT 842** dries, follows the application of **ELASTOTURF 851**.
- Depending on the ambient temperature **ELASTOTURF 851** is diluted to 2-3 % water, prior to application, in order to achieve better fluidity. It is applied, in two or more coatings depending on the desirable thickness. The next layer follows the other after the previous is dry.
- The next day, depending ambient temperature follows application of finishing paint **ELASTOMARK 818**.

CONSUMPTION

- 1.5 kg/m² of **ELASTOTURF 851** (three layers, for System Sportfloor – Ex Hard Court).
- 1.8 kg/m² of **ELASTOTURF 851** (three layers, for System Flexfloor - Ex).
- 2.2 – 2.5 kg/m² of **ELASTOTURF 851** (three layers, for System Polyflex AEL - Ex).
- 3.5 – 3.8 kg/m² of **ELASTOTURF 851** (three layers, for System Wet Pour Polyflex AEL - Ex).

In case of using the top coat ELASTOMARK 818 as final layer then the consumption of ELASTOTURF 851 will be:

- 1 kg/m² of **ELASTOTURF 851** (two layers, for System Sportfloor – Ex Hard Court).
- 1.3 kg/m² of **ELASTOTURF 851** (two layers, for System Flexfloor - Ex).
- 1.7 – 2 kg/m² of **ELASTOTURF 851** (two layers, for System Polyflex AEL - Ex).
- 3 – 3.3 kg/m² of **ELASTOTURF 851** (two layers, for System Wet Pour Polyflex AEL - Ex).

APPLICATION TOOLS

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

PACKAGING

Supplied in barrels 200 Kg.

STORAGE

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

REMARKS

- In case of extremely rough and sharp cement or asphalt surfaces it is recommended grinding of the surface with a mosaic machine, sandblast or rotor machine before the application of **ELASTOSPORT 853**.
- During temperatures over 40 C, ideal time for the application of **ELASTOTURF 851** is between 22:00 - 9:00 a.m., and the minimum bearing temperature during application and drying should be 10 C.
- The freshly coated surface should be protected from high temperatures, wind, rain and frost for at least the first 24 hours.
- In case it gets damaged, it is simply repaired and recoated on the spot.

CAUTION

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

For more information consult the safety data sheet.

ELASTOMARK 818

ELASTIC, ACRYLIC PAINT FOR INDOOR AND OUTDOOR SURFACES

GENERAL CHARACTERISTICS

ELASTOMARK 818 is an acrylic-based paint for floorings, for internal and external surfaces and line marking.

- It can be applied quickly and easily, having low cost
- Provides strong adhesion to the substrate and resistance to weather conditions
- Suitable for painting athletic courts, cement floorings, mosaics and asphalt surfaces, as well as lining at athletic courts
- Eliminates dust from decay in old & new floorings
- Ideal for athletic courts, schools, hotels, parking areas, pavements, hallways etc.

TECHNICAL DATA

Basis:	one-component acrylic resin
Appearance:	viscous liquid
Colors:	KDF Color chart - 24 colors
Viscosity:	25.000 – 35.000 mPa s at 25°C
Density:	1.7 – 1.8 gr/cm ³
Temperature for the application and drying of the material:	10 – 40°C
Walkability:	after 24 hours 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 sub-floor. Application of one or more layers until the surface is saturated. Avoid the creation of puddles of the material. Consumption: 200-300gr/m² in one layer, 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 **ELASTOMARK 818**.
- Depending on the ambient temperature **ELASTOMARK 818** can be diluted with up to 10% water, prior to application, in order to achieve better fluidity. It is applied in two or more layers. The next layer follows as soon as the previous dries.

CONSUMPTION

- 350 – 400 gr/m² in one layer as top-coat.
- 700 – 800 gr/m² in two layers, depending on the absorbency and roughness of the underlay.

**APPLICATION
TOOLS**

Short-haired mohair roller and / or airless sprayer. Tools should be cleaned with **WATER** immediately after use.

PACKAGING

Supplied in drums of 15kg.

STORAGE

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

CAUTION

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

For more information consult the safety data sheet.

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CLEANING AND MAINTENANCE MANUAL FOR :

-OUTDOOR SPORTS FLOORING

-PLAYGROUND FLOORINGS

Introduction

Outdoor sports floorings and playground surfaces are made of extremely durable polymers, designed to withstand extreme climate conditions and intense use. However for the best maintenance of the 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



PU GRASS 149

