



# MAXFLOOR<sup>®</sup> SPORT -K

## SYNTHETIC, PROTECTIVE AND DECORATIVE COATING FOR SPORT AREAS AND BICYCLE PATHS



### DESCRIPTION

**MAXFLOOR<sup>®</sup> SPORT-K** is a one-component coating of synthetic resins in water emulsion with a high concentration of pigments and mineral fillers, specially formulated for sealing and finishing decorative concrete and asphalt pavements indoors and outdoors. Available in three different aggregates:

**-MAXFLOOR<sup>®</sup> SPORT-K SMOOTH:** smooth finishing.

**-MAXFLOOR<sup>®</sup> SPORT-K TEXTURE:** medium rough (with 0,6 mm aggregate).

**-MAXFLOOR<sup>®</sup> SPORT -K HIGH TEXTURE:** high rough (with 1 mm aggregate)

### APPLICATIONS

- Decorative finish and protection of any surface, indoors or outdoors, horizontal or vertical concrete, asphalt, brick and masonry.
- Anti-slip monolayer finishing for leisure areas, playgrounds, tennis courts, sports centers.
- Roads and paths tracks in parks, pedestrian zones, bicycle paths, etc.
- Coating on pavements for amusement parks, school yards, pedestrian zones.
- Coating of concrete walls in paddle courts.
- Rough monolayer coating on asphalt pavements in general.

## ADVANTAGES

- Good resistance to weathering and UV rays, no yellowing.
- Good resistance to abrasion pedestrian and bicycle traffic.
- High covering properties.
- Ready to use and apply.
- Available in a wide range of colours.
- Environmentally friendly: water-based and solvent. Non-toxic and non-flammable.

## APPLICATION INSTRUCTIONS

### Surface preparation

**Concrete:** Substrate must be cohesive and compact with a minimum tensile adhesion of 1,0 MPa. For the preparation of the concrete to make a dry surface grinding to remove slurry and achieve open textured surface by polishing industry equipped with grinding disc and vacuum, performing roughing passes in two crossed 90, hewn a small and uniform thickness on each a. Finally, vacuum the dust and loose particles.

The surface must be clean, free of dust, earlier paintings, efflorescence, salts, fats, oils, release agents, curing agents, etc., or other substances that could affect adhesion.

All small voids, holes, honeycombs, cavities, once opened must be repaired with **MAXROAD®** (Technical Bulletin No. 27) or with **MAXEPOX® JOINT** epoxy-based mortar (Technical Bulletin No. 237).

**Asphalt:** The substrate must be properly compacted to the density and cohesion normalized according to existing standards for the type of mixture used.. The substrate must be sound, clean, dry, without dust or materials or loose particles, laitance, moss and organic contaminants and free of grease, oil, mosses.

If there were cracks, consideration should originate and take appropriate solution, since in some cases these cracks together working as thermal expansion, reflected in still possible once applied surface coating.

All small voids, holes, honeycombs, cavities once opened must be repaired with **MAXROAD®** (BT n°27) or **MAXPATCH® ASPHALT** (BT n°93), in which case 7 curing days must be allowed before applying.

### Application

**MAXFLOOR® SPORT -K** is supplied ready to use. Before application, stir the content of the packaging with a clean tool or preferably by mechanical means such as a slow speed electric drill (300-400 rpm) fitted with a disc mixer, until

achieving a homogeneous product in colour and appearance.

For a better application, add 10% weight of clean water and re-mix.

### Application

Depending on the roughness of the surface and the desired finish, choose the most suitable product.

#### Smooth finishing:

Apply **MAXFLOOR® SPORT -K SMOOTH** by brush, short air roller or air-less gun.

For a better application, add 10% weight of clean water and re-mix.

Apply one or two layers of **MAXFLOOR® SPORT -K SMOOTH**, depending of expected traffic, with an estimated consumption of 0,25 a 0,30 kg/m<sup>2</sup>, allowing a curing time between layers of 4 to 6 hours at 20 °C.

#### Rough finishing:

The application of **MAXFLOOR® SPORT -K TEXTURED** and **MAXFLOOR® SPORT -K HIGH TEXTURED** is done by squeegee, with an estimated consumption of 0,8 - 1,0 kg/m<sup>2</sup> and 1,0 - 1,2 kg/m<sup>2</sup> respectively.

### Application conditions

Do not apply when rainfall, contact with water, condensation, dampness and dew is expected within the first 24 h.

Optimum application temperature is from 10 °C to 30 °C. Do not apply when substrate and/or ambient temperature is below 5 °C, or when are expected to fall within the first 24 h. Do not apply to frozen or frost-covered surfaces. At temperature above 30 °C, protect the application from direct sunlight.

Ambient and surface temperature must be at least 3 °C higher than dew point. Do not apply with R.H. higher than 90 %. Measure the relative humidity and dew point before applying the product in proximities of marine environment.

With low temperatures and/or higher humidity levels, use dry and warm air in order to get the suitable conditions, such as with an electric powered air blower system.

### Curing

Allow **MAXFLOOR® SPORT -K** to cure at least 24 hours for pedestrian traffic and 72 hours for total curing, at 20 °C and 50% R.H. Applications at lower temperatures, higher humidity and/or poor ventilation require longer curing time.

## Cleaning

All tools and equipments must be cleaned immediately with water after use. Once product cures, this can only be removed by mechanical means.

## CONSUMPTION

The estimated consumption of **MAXFLOOR® SPORT -K** is:

|   | Consumption (kg/m <sup>2</sup> ) |
|---|----------------------------------|
| <b>MAXFLOOR® SPORT -K SMOOTH</b>        | 0,25-0,30                        |
| <b>MAXFLOOR® SPORT -K TEXTURED</b>      | 0,8-1,0                          |
| <b>MAXFLOOR® SPORT -K HIGH TEXTURED</b> | 1,0-1,2                          |

These figures are for guidance only and may vary depending on porosity, texture, substrate conditions and application method. Perform a preliminary test on job-site to ascertain the total consumption exactly.

## IMPORTANT INDICATIONS

- Do not apply on substrates subject to rising damp or negative water pressure.
- Allow enough time to dry the substrate after rain, contact with water, damp, dew, condensation, etc, as well as after cleaning surface. If moisture is trapped behind the coating, a white film may be developed.
- Do not apply on surfaces with permanent contact of water.
- Allow new concrete and cement mortars to cure 28 days before coating.
- Do not add solvents, thinners or other non-specified compounds and nor exceed the recommended ratio of dilution with water.

- Keep the recommended consumptions per coat.
- For other uses not specified on this Technical Bulletin or further information, consult the Technical Department.

## PACKAGING

**MAXFLOOR® SPORT -K SMOOTH** is supplied in 25 kg drum.

**MAXFLOOR® SPORT -K TEXTURED** is supplied in 30 kg drum.

**MAXFLOOR® SPORT -K HIGH TEXTURED** is supplied in 30 kg drum.

It is available in light grey, dark grey, white, red, yellow, light green, dark green, light blue, dark blue, cobalt blue and purple.

## STORAGE

Twelve months in its unopened and undamaged original packaging. Store in a cool, dry and covered place, protected from moisture, freezing and direct sunlight, at temperatures from 5 °C to 35 °C

## SAFETY AND HEALTH

**MAXFLOOR® SPORT -K** is not a toxic product but skin and eye contact must be avoided. Use rubber gloves and safety goggles when applying. In case of skin contact, wash affected area with soap and water. In case of eye contact, rinse immediately thoroughly with clean water but do not rub. If the irritation persists, seek medical assistance

Consult the Material Safety Data Sheet for **MAXFLOOR® SPORT -K**. Disposal of the product and its empty packaging should be carried out according to the current official regulations and it is the responsibility of the final user of the product.

## TECHNICAL DATA

| Product characteristics                               | SMOOTH                     | TEXTURED    | HIGH TEXTURED |
|---|----------------------------|-------------|---------------|
| Appearance and colour                                 | Coloured homogeneous paste |             |               |
| Density at 20 °C, (g/cm <sup>3</sup> )                | 1,25 ± 0,10                | 1,55 ± 0,10 | 1,55 ± 0,10   |
| Maximum aggregate size, (mm)                          | <0,1                       | 0,6         | 1,0           |
| Flash point   | Non flammable              |             |               |
| Viscosity Brookfield RVT at 20 °C, (cps)              | > 2.500                    |             |               |
| <b>Application and curing conditions</b>              |                            |             |               |
| Application temperature / Relative humidity, (°C / %) | 10 - 30 / < 90             |             |               |
| Tack free drying time at 20 °C y 50 % H.R., (h)       | 2                          | 6           | 6             |
| Drying time between coats at 20 °C, (h)               | 4-6                        | 8-10        | 8-10          |
| Total curing time at 20 °C & 50% R.H., (h)            | 3                          | 24          | 24            |
| <b>Cured product characteristics</b>                  |                            |             |               |
| Adhesion on concrete at 28 days, EN 1542 (MPa)        | >1,5/ >1,5                 |             |               |
| Wet rub resistance RAH, DIN 53778, (cycles)           | > 15.000                   | N.D.        |               |
| Abrasion TABER CS-17, 1000 cycles, P=1000 g.          | N.D.                       | < 0,5       | < 0,5         |
| Colour appearance before 1.000 h exposal, QUV         | ΔE < 2                     |             |               |
| <b>Consumption*</b>                                   |                            |             |               |
| Consumo por capa, (kg/m <sup>2</sup> )                | 0,25 – 0,30                | 0,8 - 1,0   | 1,0 - 1,2     |

\* These figures are for guidance only and may vary depending on porosity, texture and conditions for substrate, and application method. Perform a preliminary test on-site to ascertain the total consumption exactly under jobsite conditions

## GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO®**, **S.A.U.** reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.



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