

POLAPLAST P12

COLORED, TWO-COMPONENT POLYURETHANE SPRAY COATING

GENERAL CHARACTERISTICS

POLAPLAST P12 is a low viscous, two component polyurethane spray coating with good long term elasticity. Meets IAAF standard, it is environment- friendly, flexible with high strength.

POLAPLAST P12 is used as the second basic spray layer mixed with EPDM rubber granules, for the "on site" production of KDF's running track systems, **POLTRACK SPRAYCOAT SYSTEM**. It can be used in school playing fields or / and many other sporting applications for the construction of running tracks with IAAF standards.

TECHNICAL DATA

Mixing Ratio	86.58 % : 13.42 % (By weight)
Viscosity(25°C)	900-3000 mPa
Density of mixture (25°C)	1.54-1.64 kg/lit
Pot-life (25°C)	app. 30 min. at 25°C
Application temperature	10 – 40 °C
Curing (25°C and %60 relative humidity)	9-12 hours
Color	KDF colorchart

PREPARATION-APPLICATION

Applied on dry surfaces, free of materials that might prevent bonding e.g. dust, loose particles etc (in case of asphalt or concrete). The success in the application depends on the right preparation of the underlay and use of the material.

- Application of the primer **POLAPLAST P10** (please consult the TDS of **POLAPLAST P10**)
- Application of the **BASE COAT OF POLTRACK SYSTEM** with wet-pour made from the mixture of **POLAPLAST P13** and the **RECYCLED RUBBER 858** (please consult the TDS of **POLAPLAST P13**)
- After the surface is fully cured (the curing depends on the temperature and humidity, 12-48 h), follows the application of the final **TOP SPRAY COATING OF THE POLTRACK SYSTEM**, which is consisted by **POLAPLAST P12** and **EPDM** granules of 0.5-1.5 mm granulometry
- Transportation and prolonged storage of spray coatings containing more than one pigment (e.g. beige or grey) can lead to separation of pigments. To obtain a uniform color, the spray coatings should be mixed well prior to application, in order to ensure an even color. The mixing must be done thoroughly until all the **EPDM** granules are coated. The mixing time with an agreed mixer will last from 3 to 5 minutes. The right spray viscosity depends

on the spray equipment. Additional solvent amount (Xylene, Butylacetate) up to 2 % can be added to the mixture **POLAPLAST P12** and **EPDM**

- The **EPDM** granules must be dry
- The two components of **POLAPLAST P12** are thoroughly mixed at site. The EPDM granules and the **POLAPLAST P12** are mixed and applied with a suitable spraying machine Then the **TOP SPRAY COATING OF THE POLTRACK SYSTEM** is applied in two “cross hatch” layers. The curing time of the **TOP SPRAY COATING OF THE POLTRACK SYSTEM** is 9-12 hours. After this time, the second layer can be applied.
- **The second layer has to be applied “cross hatch”, i.e. perpendicular to the first layer to insure a good coverage.**
- Curing takes place at ambient temperature and is influenced by atmospheric moisture. Higher temperatures and moisture will shorten the cure time. After 3-5 days, the **TOP SPRAY COATING OF THE POLTRACK SYSTEM** is fully cured.
- Application of top coat **POLYSPORT 1052** for UV-protection of the surface of EPDM. Especially with light colors such as blue, orange, green.

CONSUMPTION

- Consumption of **POLAPLAST P12**: 1.35kg/m²
- Consumption of mixture of the **TOP SPRAY COATING OF THE POLTRACK SYSTEM (POLAPLAST P12 plus EPDM 0.5-1.5mm thickness, two layers)**: 2.25kg/m².

RATIO

60:40 **POLAPLAST P12** : **EPDM 0.5-1.5mm** (By weight)

APPLICATION TOOLS

Spraying machine.

PACKAGING

Supplied in barrels of 280kg (A+B set).

STORAGE

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

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.

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