

EDITION: DECEMBER 2021

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 WORLD ATHLETICS standard, it is environment-friendly, flexible with high strength.

POLAPLAST P12 is used for the application of KDF running track system **POLTRACK SPRAYCOAT** as the spray layer mixed with EPDM rubber granules.

TECHNICAL DATA

Mixing Ratio 86.2 % : 13.8 % (By weight)

Viscosity (25°C) 900-3000 mPa

Density of mixture (25°C) 1.48-1.58 kg/l

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 PU 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 mixture made of POLAPLAST P13 and RECYCLED RUBBER 858 (please consult the TDS of POLAPLAST P13).
- After the surface is fully cured (the curing depends on the temperature and humidity, 48-72 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 mixed on site.
- 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 the proper mixer will last from 1 to 2 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 granules.
- The **EPDM** granules must be dry.

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- The two components of **POLAPLAST P12** are thoroughly mixed at site. 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.

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 and drums(set).



STORAGE

12 months in unopened containers in dry places with minimum temperature 5°C and maximum

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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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