

POLAPLAST P25

Two component coat material for Equestrian rubber flooring system.

GENERAL CHARACTERISTICS

POLAPLAST P25 is an pigmented and solvent free thixotropic, two component polyurethane material with semi elastic, tensile strength properties, should be mix two component on project site, environment friendly, semi elastic, high strength, colorful and easy, safe to construction.

POLAPLAST P25 is easy to apply; it shows excellent resistance to moisture during the curing phase and a good curing behavior even at low temperature.

TECHNICAL DATA

Mixing Ratio	6 : 1 (By weight)
Density of mixture (20°C)	app. 1,44±0.1 gr/cm ³
Density of Comp. A (20°C)	app. 1,48±0.1 gr/cm ³
Density of Comp. B (20°C)	app. 1,22±0.05 gr/cm ³
Pot-life (23°C)	30-75 min.
Application temperature	Min 5°C
Curing (20°C and %60 relative humidity)	After 24 hours it cures.
Color	Grey, Red, other.

PREPARATION- APPLICATION

POLAPLAST P25 material is used in seamless rubber flooring which provides good force reduction and is constructed on a cast in place basement of rubber crumb applied with clear polyurethane binder, which is sealed with the sealing layer POLAPLAST P24 before the application of POLAPLAST P25, with a final topping of UV-resistant polyurethane aliphatic top coating POLYSPORT 1053.

POLAPLAST P25 is used as PU system is a high performance system. Is applied on shock-pad, after the use of PU pore filler by toothed spatula with consumption 3kg/m².

Substrate Preparation

POLAPLAST P25 is applied on top of the sealing layer **POLAPLAST P24** which seals the top of prefabricated cushion or in situ installed rubber granule mats. After the sealing with PU pore filler. The subfloor has to be dry, load bearing, clean and free of loose and brittle particles and substances which impair adhesion such as oil, grease, paint or other contaminants.

POLAPLAST P25 is applied directly on good quality concrete/asphalt (first class road standard, with primer) which have to be dry, load bearing, clean and free of loose and brittle particles and substances which impair adhesion such as oil, grease, paint or other contaminants.

The interval between the application of pore sealer and further coatings should not exceed 48 hours.

Installation Processing

Processing temperature of both components should be between 15-30°C.

The well mixed material is applied with a flat rubber or metal squeegee under pressure to tightly scrape off the material.

The resin component should be thoroughly stirred to incorporate any slight separation, whilst continuing stirring the contents of the hardener container should be added. Continue stirring until a homogeneous mix is obtained. The mixed material must be used within 30-75 minutes of mixing at 20°C. The mixed **POLAPLAST P25** material can be laid to the surface.

Material coverage lies between 1.5kg/m²/mm and the material consumption depends on the surface structure (grain size, compaction, evenness) and on the temperature of substrate, ambience and material. Substrate temperatures must not exceed 50°C as this would liquefy the material and increase the coverage.

At low temperature and humidity, the speed of reaction is reduced resulting in a longer pot life, re-coating interval and open time. The speed of reaction is accelerated at high temperatures and humidity and the converse is true. Direct sunshine shortens the time frames considerably.

During the first hours after application, the coating had to be protected from direct contact with water as this could cause foaming of the material. In case of (expected) rain, **POLAPLAST P25** should not be applied.

Sealed surface with **POLAPLAST P25** can be recoated during the first 48 hours after application without the use of primer if the surface is dry and clean.

REMARKS

For health and safety protection, transport regulations and waste management please consider the Material Safety Data Sheet .Users are advised to wear gloves and eye protection when mixing or applying **POLAPLAST P25**. **POLAPLAST P25** is no-hazardous in its cured condition.

CAUTION

The characteristic data are approximate values .They do not represent warranted characteristics. Consequently, no liability claims of any kind may be derived from the Technical 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.