

## POLAPLAST P24

Two component PU material for Equestrian rubber floorings.

Sealing Layer for Equestrian System

### GENERAL CHARACTERISTICS

**POLAPLAST P24** material is a pigmented and solvent free thixotropic, two component polyurethane material semi elastic, tensile strength properties, should be mix two component on project site, environment-friendly, good elastic, high strength, colorful and easy, safe to construction.

**POLAPLAST P24** 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. 1,75±0.1 gr/cm <sup>3</sup>
Density of Comp. A (20°C)	app. 1,88±0.1 gr/cm <sup>3</sup>
Density of Comp. B (20°C)	app. 1,22±0.05 gr/cm <sup>3</sup>
Pot-life (23°C)	30-40 min.
Application temperature	Min 5°C
Curing (20°C and %60 relative humidity)	After 24 hours it can be sanded.
Color	Crème

## PREPARATION- APPLICATION

**POLAPLAST P24** material is used as sealing layer in the equestrian seamless rubber flooring system, provides good force reduction and is constructed on a cast in place basement of rubber crumb applied with clear polyurethane binder, with a topping of Full-PU colored polyurethane self leveling layer **POLAPLAST P25**.

### Substrate Preparation

**POLAPLAST P24** material is applied directly on top of prefabricated or in situ installed rubber granule mats 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 (first coating) and further coatings should not exceed 48 hours. In case of longer breaks, the use of **POLAPLAST P24** as bonding agent is recommended after cleaning thoroughly.

### Installation Processing

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

The well mixed material is applied on the rubber base mat or concrete/asphalt with primer 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 30-40 minutes of mixing at 20°C The surface must be dry and clean. It can be applied by trowel.

Material coverage lies between 1.25-1.50kg/m<sup>2</sup>/mm and the material consumption depends on the surface structure if the base mat (grain size, compaction, evenness) and on the temperature of substrate, ambience and material. Substrate temperatures must not exceed 50o 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 P24** should not be applied.

Pore-sealed surface with **POLAPLAST P24** material 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 P24**. **POLAPLAST P24** is no-hazardous in its cured condition.

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## 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.

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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.