

POLAPLAST P24

Two component PU material for Equestrian rubber floorings.
Sealing Layer for Equestrian System

GENERAL CHARACTERISTICS

POLAPLAST P24 is a pigmented and solvent free thixotropic, two component polyurethane semi elastic material with tensile strength properties, environment-friendly, high strength, colorful and easy to apply, safe to construction.

POLAPLAST P24 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 ³
Density of Comp. A (20°C)	app. 1,88±0.1 gr/cm ³
Density of Comp. B (20°C)	app. 1,22±0.05 gr/cm ³
Pot-life (23°C)	30-40 min.
Application temperature	Min 10°C
Curing (20°C and %60 relative humidity)	After 24 hours it can be sanded.
Color	Crème

PREPARATION-APPLICATION

Applied on dry surfaces, free of materials that might prevent bonding e.g. dust, loose particles, grease 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.

POLAPLAST P24 is used in POLTRACK EQUINE SYSTEM, a synthetic, seamless flooring for horse stalls, barns, paddocks etc.

POLAPLAST P24 is applied directly on top of prefabricated or in situ installed rubber granule subfloors 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.

- Processing temperature of both components should be between 10-38°C.
 - The well mixed material is applied on the rubber base subfloor or concrete/asphalt with primer with a flat trowel 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..
 - Material coverage lies between 1.25-1.50kg/m²/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 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 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.
 - A polyester net is placed between the 2 layers of **POLAPLAST P24**.
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CONSUMPTION

1.3kg/m² for 2 layers (depends on the surface absorbance).

APPLICATION TOOLS

Flat metal trowel.

STORAGE

12 months in unopened containers in dry places with minimum temperature 5°C and maximum temperature 30°C (avoid 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 material safety data sheet.

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KDF

Sports Flooring Systems & Building Materials

50 YEARS OF EXPERIENCE

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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