EDITION: SEPTEMBER 2013

POLAPLAST P22

Two component running track PU material for Sandwich System
Sealing Layer for Sandwich running track system

GENERAL CHARACTERISTICS

POLAPLAST P22 is a pigmented and solvent free thixotropic, two component polyurethane material with good elastic and tensile strength properties. Meets IAAF standard, it's environment-friendly, flexible, high strength.

POLAPLAST P22 is easy to apply; it shows excellent resistance to moisture during the curing phase and a good curing behavior even at low or high temperature.

TECHNICAL DATA

Mixing Ratio	9 : 1 (By weight)
Density of mixture (20°C)	app. 1,75±0.1 gr/cm³
Density of Comp. A (20°C)	app. 1,88±0.1 gr/cm³
Density of Comp. B (20°C)	app. 1,22±0.05 gr/cm³
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

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PREPARATION-APPLICATION

POLAPLAST P22 running track material is used as sealing layer in the sandwich running track system, provides good force reduction and is constructed on a cast-in-situ cushion base layer of SBR rubber granules mixed with clear polyurethane binder, with a final toping of colored EPDM granules broadcast onto a wear coat of polyurethane compound (**POLAPLAST P20**).

Substrate Preparation

POLAPLAST P22 track 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.(Sandwich system)

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 P22** 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 20ºC The surface must be dry and clean. It can be applied by trowel.

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 P22** should not be applied.

Pore-sealed surface with **POLAPLAST P22** track material can be recoated during the first 48 hours after application without the use of primer if the surface is dry and clean.

REMARKS

Use a slow rotating mixer at approximately 300-500rev/min for at least 3-4 minutes until the blend is homogenous and streak free. Ensure that the mixer reaches the side and bottom area of and mix it again for one additional minute. Processing temperature of both components should be between 15-30°C.

You can add 10-15% EPDM powder in the already mixed materials for better workability.

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 P22**. **POLAPLAST P22** 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.