CONIPUR 2400

Two Component, Solvent Free PUR Pore Sealer

Product description
CONIPUR 2400 is a solvent free, thixotropic, two component PUR pore sealer.

Fields of application
CONIPUR 2400 is used as a pore sealer for rubber granule mats for water impermeable sports surfaces such as athletic tracks, multipurpose fields and playground surfaces.

Properties
CONIPUR 2400 component A is thixotropic. The ready mix features a long pot life and is easy to apply.

CONIPUR 2400 is characterized by a low consumption and a good curing behaviour even at low temperatures.

Technical Data

Mixing ratio	in parts by weight		100 : 19
Density	mix at 23 °C	g/cm^3	approx. 1.2
Viscosity	mix at 23 °C	mPas	thixotropic
Pot life	at 12 °C at 23 °C at 30 °C	min min min	approx. 50 approx. 30 approx. 20
Ready for foot traffic	at 23 °C and 50% relative humidity (RH)	h	approx. 8
Recoating interval	at 23° and 50% RH	h	max. 24
Substrate and application temperature	minimum maximum	°C °C	10 50
Permissible relative humidity		%	90
Shore A hardness	after 24 h, at 23 °C / 50% RH after 28 d		50 65

Above figures are guide values and must not be used as a base for specifications!

Application method
CONIPUR 2400 is supplied in the correct proportions of component A (resin) and component B (hardener).

The optimal temperature of the material before and during application is between 15 and 25 °C.

The temperature of the subbase must be at least 3 °C above the current dew point temperature.

Pour component B into component A and ensure that pail containing component B is emptied completely.

To achieve a homogenous mix, thoroughly mix with a slow rotating mixing device at about 300 rev/min. Ensure that the mixing device reaches the side and bottom areas of the mixing vessel.

The mixing process takes at least two minutes and must be performed until the blend is homogenous and streak free. Pour the mix into another clean pail and mix it again for one minute.

When thoroughly mixed, the material is applied to the rubber granule mat with a flat rubber or metal squeegee (or a paving machine specifically designed for the application of such products).

In order to achieve the coverage rate indicated, pressure must be applied to the squeegee to tightly scrape off the material.

The material consumption depends on the surface structure of the rubber granule mats (grain size, compaction, evenness of the surface) as well as substrate, material and ambient temperature.

The substrate temperature must not exceed 50 °C as this would liquefy the material and increase the coverage.

At higher temperatures CONIPUR 2400 can be filled with up to 10 % EPDM powder to reduce the consumption.

The pot life and curing time of CONIPUR 2400 are influenced by the ambient material and substrate temperature. At low temperatures, chemical reactions are generally slowed down; this lengthens the pot life, re-coating interval and open time. At the same time, the viscosity increases which leads to a higher consumption. High temperature and humidity accelerate chemical reaction so the contrary is true. Direct sunlight shortens the time frames considerably.

Once applied, the material must be protected from contact with water for a few hours. Otherwise – as with all systems based on isocyanate - water could cause foaming on the surface of the product.

In case of (expected) rain, CONIPUR 2400 must not be applied.

The subsequent coating must never be applied to a dew-damp or dirty pore sealed surface.

Important notice:
Fresh pore-sealed surfaces with CONIPUR 2400 can be re-coated without the use of a primer if the substrate is dry and clean.

If the pore-sealed surface was exposed to rain, if it was wet or if the recoating interval of 24 hours was exceeded, an adhesion test must be carried out or primer CONIPUR 72 (approx. 50 - 80 g/m^2) must be applied to ensure the adhesion of the following layer.

Cleaning agent
Re-usable tools must be cleaned carefully with CLEANER 40 or other suitable solvents (e.g. butyl acetate). Never use water or alcoholic solvents as cleaners.

Substrate condition
CONIPUR 2400 is applied directly on cured and dry rubber granule mats free of loose and brittle particles as well as substances which impair adhesion such as oil, fat, rubber skid marks, dust or other contaminants.

The temperature of the subbase must be at least 3 °C above the current dew point temperature.

Pack size
CONIPUR 2400 is supplied in 25.7 kg working packs. Components A and B are supplied in the correct proportion and delivered separately.

Colour
oxide-red

Storage
Store in original closed packing, under dry conditions at a temperature range of 5 - 25 °C.

Do not expose the drums to direct sunlight.

Before use, please see "best before" date on the pail / drum.

Safety precautions
CONIPUR 2400 is non-hazardous in its cured condition.

For protective measures, transport regulations and waste management please refer to the Material Safety Data Sheet of the product.

CONIPUR 2400 meets the requirements of the EC directive 2004/42/EC.

CE-Label:
see Declaration of Performance

UKCA-Label:
see Declaration of Conformity

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