CONIPUR 220

Two Component, Solvent Free PUR Pore Sealer

Product description
CONIPUR 220 is a solvent free, thixotropic, two component PUR pore sealer.

Fields of application
CONIPUR 220 is used in sports halls as a pore-sealer of pre-fabricated rubber granule mats, PUR bonded foam mats and polyester re-enforcing fabrics.

Properties
CONIPUR 220 is thixotropic in its A-component has a long pot life and is easy to apply.

CONIPUR 220 is particularly suitable for the fixing of polyester re-enforcing fabrics.

CONIPUR 220 cures without shrinkage.

Technical Data

Mixing ratio	in parts by weight		4 : 1
Density	component A, at 23 °C	g/cm³	approx. 1.25
	component B, at 23 °C	g/cm³	approx. 1.22
	mix, at 23 °C	g/cm³	approx. 1.24
Viscosity	component A, at 23 °C	mPas	thixotropic
	component B, at 23 °C	mPas	approx. 100
	mix, at 23 °C	mPas	thixotropic
Pot life	at 12 °C	min	approx. 105
	at 23 °C	min	approx. 60
	at 30 °C	min	approx. 45
Ready for foot traffic	at 23 °C and 50% relative humidity	h	approx. 10
Recoating interval	at 30°und 75% relative humidity	h	36
	at 23°und 40% relative humidity	h	48
Substrate and application temperature	minimum	°C	10
	maximum	°C	40
Permissible relative humidity	maximum	%	80
Shore A hardness	after 24 h, at 23 °C and 50% relative humidity		65
	after 28 d		85
Tensile strength	DIN 53504	N/mm²	4.5
Elongation at break	DIN 53504	%	80
Tear strength	DIN 53515	N/mm	13

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

Application method
CONIPUR 220 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 the pail of part 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 2 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 1 additional minute.

When thoroughly mixed, the material is applied to the rubber granule mat / polyester foam fabric with a flat rubber or metal squeegee.

In order to achieve the consumption rate indicated, pressure must be applied to the squeegee to tightly scrape off the material. To ensure a 100% seal of the pores, we recommend to apply CONIPUR 220 in 2 coats – the first layer with approximately 0.6 kg/m^2, the second with approximately 0.3-0.4 kg/m^2.

When using a polyester fabric on a pre-fabricated elastic mat to increase the impact resistance of the sports surface, it must be rolled over the elastic mat and has to be fixed by applying CONIPUR 220. The squeegee used must have rounded edges in order to avoid hooking into the loops of the fabric.

The material consumption depends on the surface structure of the elastic mat as well as on material and ambient temperature.

The pot life and curing time of CONIPUR 220 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 reactions so the contrary is true.

To fully cure the material, the substrate and working temperature must no fall below the minimum.

After application, CONIPUR 220 must be protected from direct contact with water for approx. 12 hours (at 15 °C).

Within this period, contact with water may cause bubbles or foaming on the surface.

Important notice:
Fresh pore-sealed surfaces with CONIPUR 220 can be re-coated without the use of a primer if the substrate is dry and clean.

In case the re-coating interval of CONIPUR 220 is exceeded, grinding or the application of primer CONIPUR 72 with a max. consumption of 0.08 kg/m² prior to the coating is mandatory.

Apply only as much CONIPUR 220 as can be re-coated during the maximum re-coating time.

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 220 is applied directly on cured and dry rubber granule mats or PUR bonded foam 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 220 is delivered in working packs of 25 kg. Components A and B are supplied in the correct proportion and delivered separately.

Colour
grey

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 220 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 220 meets the requirements of the EC directive 2004/42/EC.

CONICA AG
Industriestr. 26
8207 Schaffhausen
Switzerland

Tel.: +41 52 644 3600
Fax: +41 52 644 3699
info@conica.com
www.conica.com