

# CONIPUR 203

## Two Component, Solvent Free PUR Pore Sealer

### Product description

CONIPUR 203 is a solvent free, thixotropic, two component PUR pore sealer.

### Fields of application

CONIPUR 203 is used as a pore sealer for rubber granule mats for impermeable sports surfaces such as athletic tracks and multipurpose fields.

### Properties

CONIPUR 203 component A is thixotropic.

CONIPUR 203 has a long pot life, is easy to apply and exhibits a moisture resistance during curing as well as a good curing behaviour even at low temperatures.

### Technical Data

<b>Mixing ratio</b>	in parts by weight		100 : 27
<b>Density</b>	component A, at 23 °C	g/cm <sup>3</sup>	approx. 1.47
	component B, at 23 °C	g/cm <sup>3</sup>	approx. 1.18
	mix, at 23 °C	g/cm <sup>3</sup>	approx. 1.40
<b>Viscosity</b>	component A, at 23 °C	mPas	thixotropic
	component B, at 23 °C	mPas	approx. 2100
	mix, at 23 °C	mPas	thixotropic
<b>Pot life</b>	at 12 °C	min	approx. 170
	at 23 °C	min	approx. 130
	at 30 °C	min	approx. 90
<b>Ready for foot traffic</b>	at 23 °C and 50% relative humidity	h	approx. 10
<b>Recoating interval</b>	at 30°und 75% relative humidity	h	max. 24
	at 23°und 40% relative humidity	h	max. 36
<b>Substrate and application temperature</b>	minimum	°C	10
	maximum	°C	50
<b>Permissible relative humidity</b>		%	90
<b>Shore A hardness</b>	after 24 h, at 23 °C and 50% relative humidity		55
	after 28 d		75
<b>Tensile strength</b>	DIN 53504	N/mm <sup>2</sup>	3.5
<b>Elongation at break</b>	DIN 53504	%	80
<b>Tear strength</b>	DIN 53515	N/mm	5
<i>Above figures are guide values and must not be used as a base for specifications!</i>			

### Application method

CONIPUR 203 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 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 with a **flat** rubber or metal **squeegee**.

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 203 can be **filled with** up to 10 % EPDM **powder** to lower the consumption.

The pot life and curing time of CONIPUR 203 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. Direct sunlight shortens the time frames considerably.

CONIPUR 203 exhibits certain insensitivity against moisture during curing time. Nevertheless, as with all systems based on isocyanate, water could cause foaming on the surface of the coating.

In order to prevent foaming after application, the material must be protected from contact with water for a few hours.

In case of (expected) **rain**, CONIPUR 203 must not be applied.

The surface of the CONIPUR 203 must be clean and dry before application of further wear coats.

### Important notice:

**Fresh** pore-sealed surfaces with CONIPUR 203 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** with primer CONIPUR 72 (approx. 50 - 80 g / m<sup>2</sup>) must be carried out. If the adhesion test is not satisfactory, please contact our technical service.

### 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 203 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.

### Pack size

CONIPUR 203 is supplied in 30 kg and 50 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 203 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 203 meets the requirements of the EC directive 2004/42/EC.