

CONIPUR 4480

Two Component, Solvent Free, Transparent PUR Pore Sealer

Product description

CONIPUR 4480 is a two component, solvent free, transparent pore sealer on PUR basis.

Fields of application

CONIPUR 4480 is used as pore sealer of in-situ built rubber granule mats or pre-fabricated rubber granule mats in [indoor](#) play grounds.

Properties

CONIPUR 4480 is thixotropic in its' A component, has a long pot life and easy to apply.

CONIPUR 4480 is curing without shrinkage.

Technical data

mixing ratio	in parts by weight		100 : 59
density	component A, at 23 °C	g/cm ³	approx. 1.00
	component B, at 23 °C	g/cm ³	approx. 1.13
	mix, at 23 °C	g/cm ³	approx. 1.04
viscosity	component A, at 23 °C	mPas	approx. 3100
	component B, at 23 °C	mPas	approx. 2500
	mix, at 23 °C	mPas	approx. 2500
pot life	at 12 °C	min	approx. 200
	at 23 °C	min	approx. 110
	at 30 °C	min	approx. 50
ready for foot traffic	at 23 °C and 50 % relative humidity	h	approx. 5
recoating interval	at 30 °C and 75% relative humidity	h. max.	36
	at 23 °C and 40% relative humidity	h. max.	48
substrate and application temperature	at least	°C	10
	maximal	°C	40
permissible relative humidity	maximal	%	80
shore A hardness	after 24 h at 23 °C and 50% relative humidity		66
	after 28 d		73
tensile strength	DIN 53504	N/mm ²	2.0
elongation at break	DIN 53504	%	48
tear strength	DIN 53515	N/mm	7
<i>Above figures are guide values and must not be used as a base for specifications!</i>			

Application method

CONIPUR 4480 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 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 with a **flat** rubber or metal **squeegee**.

In order to obtain an **even thickness** of the coat we recommend rolling over the surface with a tuft roller.

Also we recommend applying CONIPUR 4480 in **2 coats**.

The pot life and curing time of CONIPUR 4480 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.

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

After application, CONIPUR 4480 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:

Use this pore sealer **only** for **indoor** purposes - exposed to direct sunlight might cause the sealer to yellow.

The **surface must** be **sealed** with a transparent top coat.

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 4480 is applied directly on cured, 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 4480 is delivered in 19.2 kg working packs. Components A and B are supplied in the correct proportion and delivered separately

Colour

colourless

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 4480 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 4480 meets the requirements of the EC directive 2004/42/EG.