

CONIPUR 248

Two Component, Self-Levelling, Hard PUR Coating

Product description

CONIPUR 248 is a solvent free, self-levelling, hard, elastic two component coating based on a liquid polyurethane resin.

Fields of application

CONIPUR 248 is used for sports hall systems as a coating on special polyolefine foam mat, laminated with a glass fibre fabric.

Due to its hardness, CONIPUR 248 is load distributing. In order to obtain mixed elastic indoor systems

CONIPUR 248 is covered with CONIPUR 224 (N), CONIPUR 225 or CONIPUR 226.

Linoleum or PVC floors can be installed upon CONIPUR 248 too, using CONIPUR 111 as an adhesive.

CONIPUR 248 is also used as a wear coat in roller and inline skating systems.

Properties

CONIPUR 248 exhibits excellent self-levelling and de-aerating properties and can easily penetrate the glass fibre fabric on top of the polyolefine foam mat.

Technical Data

Mixing ratio	in parts by weight		2 : 1
Density	component A, at 23 °C	g/cm ³	approx. 1.02
	component B, at 23 °C	g/cm ³	approx. 1.23
	mix, at 23 °C	g/cm ³	approx. 1.09
Viscosity	component A, at 23 °C	mPas	approx. 2000
	component B, at 23 °C	mPas	approx. 110
	mix, at 23 °C	mPas	approx. 900
Pot life	at 23 °C	min	approx. 45
Re-coating interval / ready for foot traffic	minimum, at 10 °C	h	8
	maximum, at 10 °C	d	2
	minimum, at 23 °C	h	6
	maximum, at 23 °C	d	2
	minimum, at 30 °C	h	4
	maximum, at 30 °C	d	1
Substrate and application temperature	minimum	°C	10
	maximum	°C	30
Permissible relative humidity	maximum	%	80
Tensile strength	DIN 53504, 3 d 40 °C	N/mm ²	24
	DIN 53504, 14 d 80 °C	N/mm ²	41
Elongation at break	DIN 53504, 3 d 40 °C	%	82
	DIN 53505, 14 d 80 °C	%	30
Tear strength	DIN 53504, 3 d 40 °C	N/mm	123
	DIN 53504, 14 d 80 °C	N/mm	35
Shore D hardness	after 24 h, at 23 °C and 50 % relative humidity		55
	after 28 d		78
<i>Above figures are guide values and may not be used as a base for specifications!</i>			

Application method

CONIPUR 248 is supplied in working packs, 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 **substrate** must be at least 3 °C above the current dew point temperature.

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

To achieve a homogenous mix, thoroughly mix with a slowly rotating mixing device at about 300 rev/min. Ensure that the mixing device reaches side and bottom areas of the mixing vessel. The **mixing process** takes **at least two minutes** and must be performed until the mix is **homogenous** and streak free.

Pour the mix into another **clean** pail and thoroughly mix again for at least another minute.

CONIPUR 248 is **applied** to the pre-treated substrate using a squeegee, scraper or a notched trowel. When working at the recommended ambient and substrate temperatures, it is not necessary to flame or to spike roll the coating in order to obtain a bubble free and level surface.

When applying CONIPUR 248, **attention** must be paid **not** to **hook** into the **loops** of the glass fibre fabric.

Working life and curing time of CONIPUR 248 are influenced by the ambient and substrate temperature. At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, re-coating interval and open time. High temperature and humidity accelerate chemical reactions so the contrary is true.

To fully cure the material, the substrate and working temperature must not fall below the minimum.

After application, the material must be protected from direct contact with water for approx. 6 hours. Within this period, contact with water can cause foaming on the surface of the coating.

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 248 is either applied on polyolefine **foam mats** laminated with glass fibre fabric or on **epoxy resins** (broadcast with sand) or **CONIPUR 224 (N)**.

CONIPUR 224 (N) surfaces **older** than 3 days must be ground slightly and be washed with a 1:1 mixture of acetone and water. After the surface is completely dry, CONIPUR 248 can be applied.

Substrates to be coated have to be firm, dry and load bearing, free of loose and brittle particles and substances which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants.

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

Pack size

CONIPUR 248 is supplied in 24 kg working packs. A and B component are supplied separately in the correct proportions.

Colour

grey

Storage

Store in unopened pails under dry conditions at a temperature range of 15 - 25 °C.

Do not expose to direct sunlight.

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

Safety precautions

CONIPUR 248 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 248 meets the requirements of the EC directive 2004/42/EC.