

CONIPUR 2375

Two Component, Self-Levelling PUR Coating for the CONIPUR Vmax Track Surfacing System

Product description

CONIPUR 2375 is a solvent free, resilient, self-levelling, viscoelastic, two component polyurethane coating.

Fields of application

CONIPUR 2375 is used as a self-levelling coating for the top-layer of our IAAF certified CONIPUR Vmax track surfacing system.

Properties

CONIPUR 2375 is a very durable coating with excellent mechanical properties, creating a fast athletic track when installed in our CONIPUR Vmax system

CONIPUR 2375 exhibits a long pot life, excellent curing properties and a moisture resistance during the curing process.

Technical Data

Mixing ratio	in parts by weight		100 : 21
Density	component A, at 23 °C	g/cm ³	approx. 1.31
	component B, at 23 °C	g/cm ³	approx. 1.2
	mix, at 23 °C	g/cm ³	approx. 1.29
Viscosity	component A, at 23 °C	mPas	approx. 3000
	component B, at 23 °C	mPas	approx. 238
	mix, at 23 °C	mPas	approx. 2500
Pot life	at 12 °C	min	approx. 65
	at 23 °C	min	approx. 55
	at 30 °C	min	approx. 30
Ready for foot traffic	at 23 °C and 50 % rel. humidity	h	> 16
Ready for removing excess granules	at 23 °C and 50 % rel. humidity	h	> 20
Substrate and application temperature	minimum	°C	10
	maximum	°C	40
Permissible relative humidity	maximum	%	80
Shore A hardness	after 24 h at 23 °C / 50 % rel. humidity		40
	after 28 days		67
Tensile strength	DIN 53504	N/mm ²	4.5
Elongation at break	DIN 53504	%	150
Tear strength	DIN 53515	N/mm	5.0
<i>Above figures are guide values and must not be used as a base for specifications!</i>			

Application method

The A component of CONIPUR 2375 has to be homogenised before application. This can be achieved by rolling the drums or by thoroughly stirring in tote using a forced stirrer.

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.

Components A and B of CONIPUR 2375 are weighed out in separate drums in the ratio of 100 : 21 by weight.

Part A and part B are poured into a mixing container and thoroughly mixed using a slowly rotating mixer at about 300 rev/min ensuring that the mixer reaches the sides and bottom of the mixing vessel.

The **mixing** process takes **at least 2 minutes** and must be performed until the blend is **homogeneous** and streak free.

The mixed material is then **tipped** into a 2nd **clean** drum and mixed for a further minute. For any mixer we recommend you follow the manufacturer's instructions but it is essential to obtain a homogeneous mix.

After the mixing, CONIPUR 2375 is applied to the pre-treated substrate using a metal or plastic squeegee or a notched trowel. The tooth size must be selected according to the thickness of the layer required.

Within 5 - 10 minutes, the fresh surface has to be **covered** with **excess CONIPUR EPDM** granules (grain size Ø 1-3.5 mm).

In order to avoid possible bald spots, it might be necessary to broadcast additional granules after some minutes.

Excess and loose granules are removed after curing and can be re-used.

Working and curing time of CONIPUR 2375 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. Direct sunlight shortens the time frames considerably.

CONIPUR 2375 exhibits a certain resistance against moisture during curing. Nevertheless, as with all systems based on isocyanate, water might cause foaming on the surface of the coating, therefore, after application, the material must be protected from contact with water for a few hours.

In case of (expected) **rain**, CONIPUR 2375 must not be applied.

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

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

Under these conditions and within the re-coating interval CONIPUR 2375 can be applied on CONIPUR 2350 without any primer.

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

Pack size

CONIPUR 2375 is supplied in 250 kg drums component A and 220 kg drums for component B.

Colour

Standard colours: oxide red and oxide green, further colours on request.

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 2375 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 2375 meets the requirements of the EC directive 2004/42/EC.