

CONIPUR 226

Two Component, Highly resilient, Self-Levelling, PUR Coating for Sports Halls

Product description

CONIPUR 226 is a two component, solvent free, highly resilient, self-levelling PUR coating.

Fields of application

CONIPUR 226 is used as a coating for indoor sports halls on resilient base layers, such as pre-fabricated or in-situ installed rubber granule mats, PUR foam mats or polyethylene foam on top of hard PUR intermediate layers.

Depending on the system structure, point elastic, mixed elastic or combined elastic sports hall surfaces can be installed.

Application on wooden or other substrates is possible.

CONIPUR 226 can also be used for re-topplings of existing PUR sports hall floorings.

Properties

CONIPUR 226 exhibits extremely high mechanical properties, good self-levelling and excellent de-aeration as well as fast curing.

The product shows very high elasticity, noise dampening and very high resistance to impact at a medium hardness.

To improve the chemical resistance and light and colour stability, a sealing lacquer has to be applied on top of CONIPUR 226.

Technical Data

Mixing ratio	in parts by weight		3 : 1
Density	component A, at 23 °C	g/cm ³	approx. 1.32
	component B, at 23 °C	g/cm ³	approx. 1.20
	mix, at 23 °C	g/cm ³	approx. 1.29
Viscosity	component A, at 23 °C	mPas	approx. 2500
	component B, at 23 °C	mPas	approx. 200
	mix, at 23 °C	mPas	approx. 1500
Pot life	at 12 °C	min	approx. 70
	at 23 °C	min	approx. 48
	at 30 °C	min	approx. 41
Re-coating interval ready for foot traffic	at 23 °C and 50 % relative humidity	h	approx. 16
Substrate and application temperature	minimum	°C	15
	maximum	°C	30
Permissible relative humidity	maximum	%	75
Shore A hardness	after 24 h, at 23 °C and 50 % relative humidity		57
	final hardness		80
Tensile strength	DIN 53504	N/mm ²	14.6
Elongation at break	DIN 53504	%	220
Tear strength	DIN 53515	N/mm	30
<i>Above figures are guide values and must not be used as a base for specifications!</i>			

Application method

CONIPUR 226 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 **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 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.

CONIPUR 226 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 well levelled surface.

Working life and curing time of CONIPUR 226 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. 12 hours (at 15 °C). 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 226 is usually applied to pre-fabricated or in-situ **rubber granule mats** (previously sealed), **PUR foam mats** or **hard PUR coatings** (CONIPUR 248) or used for a re-topping (**preliminary tests** necessary).

In order to ensure a 100 % seal of the elastic layers our **pore sealer** CONIPUR 220 has to be applied in **2 coats** prior to the coating. This eliminates the possibility of bubbles in the coating. For **in-situ built** elastic layers **CONIPUR 203** is used as pore sealer, the first layer to be ground, the second not.

In case CONIPUR 226 must be applied to coatings or pore sealers **older** than **3 days**, the surface must be **grounded** slightly and be **washed** with a 1:1 mixture of

acetone and water. After the surface is completely dry, CONIPUR 226 can be applied.

For application on **other substrates**, e.g. wood, **preliminary tests** have to be performed in order to determine if or which primer is needed.

Substrates to be coated must 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.

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

For elastic layers **thicker** than **12mm** an additional reinforcing fabric must be installed to increase the impact resistance and prevent cracking. This fabric is fixed with CONIPUR 220 (see product data sheet) onto the resilient layer.

CONIPUR 226 can also be used for the **re-topping** of existing sports hall surfaces. As a rule, crack free surfaces must be ground and cleaned thoroughly using an alkaline cleaning agent. After drying, CONIPUR 226 can be applied.

If there are small cracks in the surface, apply a reinforcing fabric using CONIPUR 220 to adhere it to the surface. Depending on the surface condition extra preparation might be necessary. **Preliminary tests** must be carried out prior to the re-topping.

Pack size

CONIPUR 226 is supplied in 20 kg (metal) working packs. Components A and B are supplied in the correct proportions and delivered separately.

Colour

Standard colours: RAL 6021 (green), RAL 7032 (grey), RAL 1001 (beige), RAL 5024 (blue) and oxide red.

Storage

Store in unopened pails under dry conditions at a temperature range of 5-25 °C. Do not expose to direct sunlight.

Safety precautions

CONIPUR 226 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 226 meets the requirements of the EC directive 2004/42/EC.