

CONIFLOOR 310

Two-part, PUR pore sealer, solvent free, low emission on pre-fabricated rubber and foam mats

Product description

CONIFLOOR 310 is a solvent free, low emission, thixotropic, two-component PUR [pore sealer](#).

Fields of application

CONIFLOOR 310 is used as a pore-sealer for on pre-fabricated rubber granule and foam mats (elastic layer).

CONIFLOOR 310 is used in our systems CONIFLOOR LPC+ and CONIFLOOR UPD+.

Properties

CONIFLOOR 310 is thixotropic in its A-component has a long pot life and is easy to apply.

CONIFLOOR 310 cures without shrinkage.

Consumption

As guiding value of consumption, we can advise approximately 0.7 – 0.9 kg/m²..

Technical Data

Mixing ratio	in parts by weight		4 : 1
Density	mix, at 23 °C	g/cm ³	1.24
Viscosity	component A, at 23 °C	mPas	thixotropic
	component B, at 23 °C	mPas	100
	mix, at 23 °C	mPas	thixotropic
Pot life	at 12 °C	min	105
	at 23 °C	min	60
	at 30 °C	min	45
Ready for foot traffic	at 23 °C and 50% relative humidity	h	10
Recoating interval	at 30° und 75% relative humidity	h	36
	at 23° und 40% relative humidity	h	48
Substrate and application temperature	minimum	°C	10
	maximum	°C	30
Permissible relative humidity	maximum	%	80
Shore A hardness	after 24 h, at 23 °C and 50% relative humidity		65
	after 28 d		85
Tensile strength	DIN 53504	N/mm ²	4.5
Elongation at break	DIN 53504	%	80
Tear strength	DIN 53515	N/mm	13
<i>Above figures are guide values and should not be used as a base for specifications!</i>			

Application method

Please also [note the information in our general processing guidelines](#).

CONIFLOOR 310 is supplied in the correct proportions of component A (resin) and component B (hardener). Pour component B into component A and ensure that the pail of 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 [approx. 2 - 3 minutes](#) and should be performed until the blend is [homogenous](#) and streak free. Do [not use](#) the product out of the mixing pail!

Pour the mix into another [clean](#) pail and mix it again for 2 additional minutes.

The [temperature](#) of both components should be between 15 - 25 °C.

When thoroughly mixed, the material is applied to the rubber granule mat / polyester foam fabric with a [flat](#) rubber or metal squeegee.

In order to achieve the [consumption rate](#) indicated, pressure must be applied to the squeegee to [tightly scrape off](#) the material.

The squeegee used should have [rounded](#) edges

Consumption

The material [consumption depends](#) on the surface [structure](#) of the pre-fabricated granule mat as well as on the substrate, material, and ambient [temperature](#). As a guide value, we can advise a consumption of approximately 0.6-0.8 kg/m² per layer.

The pot life and curing time of CONIFLOOR 310 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.

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

After application, CONIFLOOR 310 should be protected from direct contact with water for approx. 12 hours (at 20°C). Within this period, contact with water may cause bubbles or foaming on the surface.

Important notice:

In case the [re-coating interval](#) of CONIFLOOR 310 is [exceeded](#), grinding is mandatory.

Apply only as much CONIFLOOR 310 as can be re-coated during the maximum re-coating time.

Cleaning agent

Re-usable tools should be cleaned carefully with CLEANER 40 or other suitable solvents (e.g. butyl acetate).

Never use water or alcoholic solvents as cleaners.

Substrate condition

CONIFLOOR 310 is applied directly on the [dry](#) rubber granule or foam mat 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

CONIFLOOR 310 is delivered in working packs of 25 kg. Components A and B are supplied in the correct proportion and delivered separately.

Colour

Grey

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

CONIFLOOR 310 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.

VOC contents

CONIFLOOR 310 meets the requirements of the EC directive 2004/42/EC.

The limit value for products ready for use (product type according to table IIA j Type sb) is:

Level II (from 2010) <500 g/l VOC.

When ready to use, this product contains less than 500 g/l VOC.



CE and UKCA marking:

See Declaration of Performance

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