

CONIFLOOR PU 350 FL

Two-part PUR pore sealer, as elastic wall coating, flame retardant, solvent free, low emission, pigmented

Product description

CONIFLOOR PU 350 FL is a solvent free, [low emission](#), [flame retardant](#), [thixotropic](#), [pigmented](#), two-component PUR coating for vertical surfaces and walls.

Fields of application

CONIFLOOR PU 350 FL is used as a flame-retardant wall coating in a one- or two-layer application on primed surfaces for indoor use. It is used on walls, vertical stairs, and other vertical surfaces e.g., in shower and changing rooms.

Properties

CONIFLOOR PU 350 FL is thixotropic in its A-component has a long pot life and is easy to apply.

CONIFLOOR PU 350 FL is elastic and cures without shrinkage.

CONIFLOOR PU 350 FL is used in the system

- **CONIFLOOR LPV**

Technical data

Mixing ratio	in parts by weight		100 : 25
Density	mix, at 23 °C	g/cm ³	1.25
Viscosity	component A, at 23 °C component B, at 23 °C mix, at 23 °C	mPas mPas mPas	thixotropic 200 thixotropic
Pot life	at 12 °C at 23 °C at 30 °C	min min min	65 40 18
Ready for recoating	at 23 °C and 50% relative humidity	h	10
Completely cured / chemical loadable	at 23°C	d	7
Shore A-Hardness	after 24h at 23°C and 50% relative humidity after 28days		65 80
Substrate and application temperature	minimum maximum	°C °C	10 30
Permissible relative humidity	maximum	%	75
Tensile strength	DIN 53504	N/mm ²	8
Elongation at break	DIN 53504	%	100
Tear strength	DIN 53515	N/mm	20

Above figures are guide values and should not be used as a base for specifications!

Application method

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

CONIFLOOR PU 350 FL 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 (Do not mix by hand).

Note: For small areas and at higher temperatures, it is recommended to mix only partial quantities, otherwise the mixed material will pre-react in the container and thus be difficult to apply.

The mixing process must be carried out for approx. 2-3 minutes until it is homogeneous, streak-free.

To check the layer thickness of the first levelling, CONIFLOOR PU 350 FL can also be filled with approx. 10% QS 0.1-0.3 mm.

Then it must [be transferred to a second, clean](#) container and mixed again for approx. 1-2 minutes in order to avoid mixing errors.

The temperature of the two components should be between 15 and 25 ° C during the mixing process.

After mixing, the levelling compound is applied to the prepared, primed substrate with a metal smoothing trowel or flat trowel. For this purpose, the material must be distributed with even pressure and resized again without pressure.

Consumption

The material [consumption depends](#) on the surface [structure](#) of the substrate, material and ambient [temperature](#). As a guide value, we can advise a consumption of approximately 0.8-1.2 kg/m² for the first levelling layer, on rough surfaces it can be increased up to 1.5 kg/m².

After hardening (approx. 10 - 12 h at 20 ° C) and before applying the second layer, it is necessary to sand over the first layer to remove and reduce scratch or trowel marks. Depending on the surface to be worked on, a suitable industrial sanding device with extraction must be used (e.g. eccentric sander, wall and ceiling sander), 40 grit is recommended as sanding paper, but must be adjusted if necessary.

For the second layer, the material is used unfilled and applied with a smoothing trowel at approx. 0.4 - 0.6 kg / m² with constant pressure and, if necessary resized again. Depending on the appearance and to remove trowel marks, sanding over as with the first layer is recommended.

The material consumption depends on the surface properties of the subsurface as well as on the subsurface, material and ambient temperature. Both the processing time of CONIFLOOR PU 350 FL and the hardening of the covering are largely determined by the temperature of the material, the substrate, and the environment. At low temperatures, the chemical reactions are generally delayed; This also extends the pot, walk-on and recoat times. Conversely, at high temperatures, chemical reactions are accelerated, so that the times mentioned above are shortened accordingly.

The exact system consumption can be found in the corresponding system data sheet.

For CONIFLOOR PU 350 FL to cure completely, the mean temperature of the substrate must not fall below the lowest processing or object temperature.

After application, the material must be protected from direct contact with water for approx. 12 hours (15 ° C). During this time, the action of water on the surface can cause the covering to foam.

Important notice:

In case the re-coating [interval](#) of CONIFLOOR PU 350 FL is [exceeded](#), [grinding](#) is [mandatory](#).

Apply only as much CONIFLOOR PU 350 FL as can be re-coated during the maximum re-coating time.

Cleaning agent

Re-usable tools should be cleaned carefully with CLEANER 40, CLEANER 45 or other suitable solvents (e.g., butyl acetate).

Never use water or alcoholic solvents as cleaners.

Substrate condition

Cement-bound substrates as well as drywall must be firm, dry, finely gripped and load-bearing, free of cement paste layers, loose and crumbly parts as well as separating substances such as oil, grease, rubber abrasion, paint residues or the like. In the case of drywall, joints and corner connections must be filled with a reinforcement fabric.

The substrate is preferably pre-treated by dust-free sanding followed by vacuuming the surface to be coated.

The substrate to be coated must have an adhesive tensile strength of at least 1.0 N/mm² (verification e.g. with Herion device, tensile speed 100 N/s).

The residual moisture in the substrate must not exceed 4%.

The substrate temperature must be at least 3 ° C above the prevailing dew point temperature.

CONIFLOOR PU 350 FL is applied to the previously prepared and primed substrate.

Pack size

CONIFLOOR PU 350 FL is delivered in working packs of 10 kg. Components A and B are supplied in the correct proportion and delivered separately.

For small areas or areas that are difficult to access and where 10 kg cannot be processed quickly, please divide the container, or remove and mix partial quantities in the specified mixing ratio.

Colour

Standard colours accord. to RAL with a minimum order quantity, others on request.

Storage

Store in original closed packing, under dry conditions at a temperature range of 5 - 25 °C.

Do not expose the packing to direct sunlight.

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

Safety precautions

CONIFLOOR PU 350 FL 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 content

CONIFLOOR PU 350 FL 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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