CONIFLOOR EP 185 W (old CONIFLOOR 185 W)

Two part EP resin adhesion promoter, pigmented, high-grade, water dilutable, low emission, for stainless steel, aluminium and other non-ferrous metals, furthermore on tiles

Product description
CONIFLOOR EP 185 W is a high quality, low-emission, waterborne, pigmented, 2-component epoxy adhesion promoter with a wide range of applications on various non-absorbent substrates such as stainless steel, aluminium, various non-ferrous metals and tiles.

Fields of application
CONIFLOOR EP 185 W is used as a thin-layer adhesive primer on stainless steel (with adhesion testing in individual cases) as well as on aluminium, galvanized steel, copper and other non-ferrous metals in conjunction with CONIFLOOR or CONIPROOF coatings. Furthermore, CONIFLOOR EP 185 W can be used as an alternative primer on tiles where solvent-based primers cannot be used.

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Properties
- good mechanical resistance
- excellent adhesion on stainless steel, aluminium, non-ferrous metals and tiles
- easy to apply
- water dilutable up to 25 %
- low emission for indoor use
- suitable for outdoor application
- low odour

Technical data

Mixing ratio	Part by weight		25:100 (1:4)
Density (undiluted)	Mixture at 23°C	g/cm³	1.25
Viscosity (undiluted) **(diluted with 10 % water)**	Mixture at 23°C	mPas mPas	5000 1500
Working time (5 kg mixture)	at 20°C	min	ca. 45
Re-coating interval	at 20°C max., at 20°C	h h	18 - 24 30
small areas with no pedestrian traffic for re-coating		h	4 - 7
Ready for pedestrian traffic	at 20°C	h	12 - 18
Fully cured after	at 23°C / 50% rel. air humidity	d	7
Project and working temperature	min. max.	°C °C	8 30
Permissible relative air humidity	maximal	%	75
Solid content (undiluted)	Mixture	%	62

These figures are indicative. The values are not for creating specifications!

Application method

Please also note the information in our general processing guidelines.
CONIFLOOR EP 185 W is supplied in working packs, which contain the correct proportions of component A (resin) and component B (hardener).

Mixing

The temperature of the two components during the mixing process should be between +10 and max. +25°C.
First, the B component is poured into the container of the A component. It is important to ensure that the B-component runs out completely, while carefully scraping out the container with a spatula.

To achieve a homogeneous consistency and intensive mixing, the two components should be mixed thoroughly with a slow-running stirrer at approx. 300 rpm. The bottom and edge areas of the mixing vessel must also be detected. After premixing component A and B, add clean water to adjust processing consistency (5-25%) and mix again.

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

After proper mixing to a homogeneous consistency, pour the mixture into a fresh pail and mix for another minute.

Adhesion promoter
When using CONIFLOOR EP 185 W as adhesion primer, depending on substrate and processing temperature, between 5 - 25% water can be added. To achieve even wetting, the material is applied thinly to the surface using a microfiber roller, clean cotton cloth or brush and spread until the surface has completely wetted.
After application, the primer must be protected from direct contact with water for at least 24 hours (20 ° C). During this time, the action of water on the surface can lead to hardness disorders. In the case of large areas in the interior, sufficient air exchange should be ensured (dew point shift).

Consumption
The consumption of CONIFLOOR EP 185 W is approx. 0.08 - 0.20 kg/m² depending on the surface structure. With tile surfaces, if necessary, consumption can be adjusted depending on the joint width and absorbency of the joints.

Waiting time
Waiting times between the layers or to next layer should be at least 12 hours and max. 48 hours at 20 ° C. The specified period is shortened by higher temperatures and extended by lower temperatures or higher layer thicknesses.

In small areas (for example, connection areas to metal parts) that need not be walked on by installation can already be revised after 4 - 7 hours.

Working temperature
Material, air and substrate temperature should have min. 8°C, max. 30°C. The relative humidity must not exceed 75%.

Substrate condition
All substrates (new and old) must be structurally sound, dry and free of laitance and loose particles. Clean floors of oil, grease, and rubber skid marks, paint stains and other adhesion impairing contaminants. It is recommended to clean with acetone / water mixture (1: 1) or with an alcoholic cleaner (observe emission and explosion protection).

In addition, the substrate (tiles) may be mechanically prepared in advance, i.e. by grinding with diamond grinder and / or shot blasting if coarse dirt is present.
Metallic substrates must be degreased; additional sanding with a wire brush or sandpaper is recommended but not mandatory.

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

Cleaning agent
At the end of the work as well as during work interruptions, all tools intended for reuse must be cleaned with soapy water.

Pack size
CONIFLOOR EP 185 W is supplied in 5 kg working packs. A and B components are filled in a coordinated mixing ratio in separate containers.

Colour
Reddish

Storage
Store in original closed pails under dry conditions at a temperature range of 10 - 25 °C.

Important: Product is sensitive to frost!

Do not expose to direct sunlight.

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

Safety precautions
CONIFLOOR 185 CW 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 185 CW 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 wb) is:
Level II (from 2010) <140 g/l VOC.
When ready to use, this product contains less than 140 g/l VOC.

CE

CE Declaration of Performance

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