

CONIFLOOR 500 CW

High quality, water based, pigmented 2-K Epoxy silk-matt sealing lacquer

Product description

CONIFLOOR 500 CW is a water based, solvent free, low emission and pigmented two component silk-mat finished 2-K Epoxid sealing lacquer.

Fields of application

CONIFLOOR 500 CW is used as, pigmented sealing lacquer in the systems CONIFLOOR IWL and CONIFLOOR IWL sr systems.

Properties

- Silk mat
- Good mechanical and chemical resistance
- Easy workable
- Water dilutable
- Water vapour permeable
- slip resistant option
- Suitable for indoor application
- virtually

Consumption

The consumption of CONIFLOOR 500 CW is approximately between 0.18 – 0.25 kg/m².

Technical Data

Mixing ratio	in parts by weight		25:100
Density	mix, at 23 °C	g/cm ³	1.28
Viscosity	at 20 °C	mPas	1000
Pot life (12kg mixture)	at 20 °C	Min	30
Processing time	at 20 °C	min	30
Re-coating interval	min., at 23 °C, 50 % rel. humidity	h	18 - 24
	max. at 23 °C, 50 % rel. humidity	h	30
Ready for foot traffic	at 20 °C, 50 % relative humidity	h	18 - 24
Fully cured - ready for exposure to chemicals	at 23 °C, 50 % relative humidity	d	7
Substrate and application temperature	at least	°C	10
	maximum	°C	30
Permissible relative humidity	Maximum	%	75
Abrasion strength			
<i>Above figures are guide values and should not be used as a base for specifications!</i>			

Application method

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

CONIFLOOR 500 CW 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 containing component 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 approximately [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 more minutes.

Priming

CONIFLOOR 500 CW is normally applied as a primer with 5% water by **rolling** with a "Microtex" roller (tuft size: 10-12 mm) or a rubber squeegee. Roll out well and keep **overlap** areas to a **minimum**.

Sealing

Sealing with CONIFLOOR 500 CW needs to be done latest **within 2 days** (20°C) after latest application. Indicated re-coating intervals have to be kept.

The pot life and curing time of CONIFLOOR 500 CW are influenced by the ambient, material, air circulations 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.

Important: Make sure that doors and windows are closed, to **avoid air circulation** during the application and curing. Airflow can **negatively** influence the optical properties by creating roller marks. 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 have to be protected from direct contact with water. Within this period, water could cause swelling of the sealing lacquer or stain.

Cleaning agent

Re-usable tools should be cleaned carefully with water.

Substrate condition.

The substrate must be loadbearing, dimensionally stable, sound, free of loose material, dust, oil, grease, marks from rubber tyres or other substances that could interfere with adhesion. Tensile strength of the substrate must be 1.5 N/mm² on average and compressive strength at least 25 N/mm². The substrate must also have sufficiently reacted and be loadbearing.

- Concrete max. 6 % by mass
- Cement screed max. 6 % by mass

In the case of anhydrite and magnesite screeds, the penetration of moisture from building elements or the ground must be absolutely ruled out. Ceramic covers, old coatings, levelling compounds and interior poured asphalt (AS IC 10) must be examined for coating suitability. If necessary, set up trial areas.

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

Pack size

CONIFLOOR 500 CW is supplied in 12 kg and 24 kg working packs. A and B component are supplied separately in the correct proportions.

Colour

RAL 7001, 7012, 7023, 7030, 7032 7035, 7046, 7042, 7040, 7012

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 500 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 500 CW meets the requirements of the EC directive 2004/42/EC.



CE-Label:

See Declaration of Performance.

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