

CONIFLOOR 520 CW

Two-part PUR sealing lacquer, pigmented, water based, low emission, UV- and colour stable, with silk-mat finish for hard CONICA EP and PUR coatings

Product description

CONIFLOOR 520 CW is a water based solvent free, [low emission and pigmented UV- and colour stable](#) two-component silk-mat finished [PUR sealing lacquer](#) of low viscosity.

Fields of application

CONIFLOOR 520 CW is used as UV resistant, pigmented sealing lacquer on [hard](#) EP and PUR coatings.

Properties

CONIFLOOR 520 CW exhibits good adhesion to non-porous substrates and is used as pigmented top sealer

which is easy to apply, easy to clean and features a good scratch-resistance.

Fully cured, CONIFLOOR 520 CW exhibits excellent mechanical properties and chemical resistance.

CONIFLOOR 520 CW is used in the systems

- CONIFLOOR IPS
- CONIFLOOR IES

and other systems.

Technical Data

Mixing ratio	in parts by weight		100:25
Density	mix, at 23 °C	g/cm ³	1.16
Viscosity	at 20 °C	mPas	800 - 1100
Pot life (10kg mixture)	at 20 °C	min	ca. 45
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
Taber	ISO 5470-1 (500g//CS10)	mg	14,8
Scratch resistance	DIN 55656	N	15
<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.

The temperature of both components should be between 15 - 25 °C.

CONIFLOOR 520 CW is supplied in the correct proportions of component A (resin) and component B (hardener). Before mixing, the A component must be stirred up by machine, then the B component is poured into the container of the A component.

Care must be taken to ensure that the B component leaks completely, while carefully scraping out the container of spatulas. 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.

When repotting, we recommend using a sieve or lacquer screen to remove fine impurities, for example coming from the stirrer.

CONIFLOOR 520 CW is normally applied to the pre-treated substrate by rolling with a "Microtex" roller (Pile height: 10-12 mm). Roll out well, keep the overlap areas to a minimum, and keep wet edge always wet with fresh material.

It is necessary to re-roll freshly applied material with a second clean paint roller in one direction in order to obtain a uniform surface with a minimum of overlap marks.

The ambient, material, air circulations and substrate temperature influence the pot life and curing time of CONIFLOOR 520 CW. 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.

Consumption

The consumption of CONIFLOOR 520 CW is approximately between 0.12 – 0.15 kg/m².

Cleaning agent

Re-usable tools should be cleaned carefully with water.

Substrate condition

CONIFLOOR 520 CW is a hard top coat and is applied to our hard CONIFLOOR coatings CONIFLOOR 420 and CONIFLOOR EP 430 considering the expected mechanical strain to the system.

Substrates to be coated have to 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.

Sealing with CONIFLOOR 520 CW needs to be done latest within 30 hours (20°C) after latest application. Indicated re-coating intervals have to be kept.

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

Pack size

CONIFLOOR 520 CW is supplied in 10 kg working packs. A and B component are supplied separately in the correct proportions.

Colour

Standard colours available – further colours upon request

Care and Maintenance

In order to maintain the properties of synthetic resin floor coverings over the long term, we recommend regular cleaning and maintenance. Please ask for our general care instructions. Before using the coatings for the first time, we generally recommend that you carry out basic cleaning with initial care by using polymeric waxes. This significantly improves the clean ability.

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 520 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 520 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 and UKCA marking:

See Declaration of Performance

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