

CONIFLOOR 541 CW

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

Product description

CONIFLOOR 541 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 541 CW is used as UV resistant, pigmented sealing lacquer on elastic PUR coatings.

Properties

CONIFLOOR 541 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 541 CW exhibits excellent mechanical properties and chemical resistance.

CONIFLOOR 541 CW is used in the systems

- CONIFLOOR LPC
- CONIFLOOR LPC+
- CONIFLOOR LPC+ FL
- CONIFLOOR LPC+ LI

and other systems.

Technical Data

Mixing ratio	in parts by weight	A : B	10 : 1
Density	mix, at 23 °C	g/cm ³	1.18
Viscosity	at 23 °C	mPas	650 -800
Pot life (10kg mixture)	at 23 °C	min	approx. 60
Re-coating interval	min., at 23 °C, 50 % rel. humidity	h	24
	max. at 23 °C, 50 % rel. humidity	h	48
Dust dry after	at 23 °C, 50 % relative humidity	h	approx. 4
Ready for foot traffic	at 23 °C, 50 % relative humidity	h	approx. 12
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	at least	%	30
	maximum	%	75

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

Application method

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

CONIFLOOR 541 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.

CONIFLOOR 541 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 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 541 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. High temperature and humidity accelerate chemical reactions so the contrary is true.

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.

Important: Please make sure, that this top coat has sufficient coverage strength on top of the grey coloured CONIPUR 440 FL (for further advice please contact Technical Service CONICA). Else, the top coat has to be applied in 2 coats.

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 541 CW is approx. 0.13 kg/m².

Cleaning agent

Re-usable tools should be cleaned carefully with water.

Substrate condition

CONIFLOOR 541 CW is an elastic top sealer and can be applied to most of our CONIFLOOR PUR-coatings. The expected mechanical strain to the system needs to be judged to find the correct top coat.

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 541 CW needs to be done latest within 2 days (20°C) after latest application.

Pre-treatment of the substrate by e.g. grinding or sanding is only necessary if the coating is very dirty, when applied onto old coatings or if the re-coating interval has, been exceeded.

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

Pack size

CONIFLOOR 541 CW is supplied in 10 kg working packs. A and B component are supplied separately in the correct proportions.

Colour

Standard colours – special colours on request

Storage

Store in original closed pails under dry conditions at a temperature range of 15 - 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 541 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 541 CW meets the requirements of the EC directive 2004/42/EC.



CE-Label:

See Declaration of Performance.