

CONIFLOOR 520 CW

Two Component, Water Based, Pigmented PUR Sealing Lacquer with Silk-Mat Finish for Hard CONICA Coatings

Product description

CONIFLOOR 520 CW is a water based, solvent free, low emission and pigmented 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 in the systems CONIFLOOR IPS and CONIFLOOR IES systems.

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.

Consumption

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

Technical Data

Mixing ratio	in parts by weight		4 : 1
Density	mix, at 23 °C	g/cm ³	1.16
Viscosity	at 20 °C	mPas	450
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

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 520 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 520 CW is normally applied to the pre-treated substrate by **rolling** with a "Microtex" roller (tuft size: 10-12 mm). Roll out well and keep the **overlap** areas to a **minimum**.

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 pot life and curing time of CONIFLOOR 520 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

CONIFLOOR 520 CW is a hard top coat and is applied to our hard CONIFLOOR coatings CONIFLOOR 420 and CONIFLOOR 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 520W needs to be done latest **within 2 days** (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

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.



CE-Label:

See Declaration of Performance.