

# CONIFLOOR 541 W

## Two Component, Water Based, Colourless PUR Sealing Lacquer with Silk-mat Finish

### Product description

CONIFLOOR 541 W is a water based, elastic and colourless two component silk-mat finished PUR sealing lacquer of low viscosity.

### Fields of application

CONIFLOOR 541 W is used as an UV resistant and colourless sealing lacquer for our decorative CONICA system CONIFLOOR UPD and CONIFLOOR UPD+ on top of CONIFLOOR 450.

### Properties

CONIFLOOR 541 W exhibits good adhesion to elastic coatings, features a good UV and abrasion resistance, is easy to apply and used as colourless top sealer.

Fully cured, CONIFLOOR 541 W exhibits excellent mechanical properties and chemical resistance.

### Consumption

The consumption of CONIFLOOR 541 W is approx. 0.13 kg/m<sup>2</sup>.

### Technical Data

<b>Mixing ratio</b>	in parts by weight	A : B	10 : 1
<b>Density</b>	mix, at 23 °C	g/cm <sup>3</sup>	1.06
<b>Viscosity</b>	at 23 °C	mPas	210
<b>Pot life (10kg mixture)</b>	at 23 °C	min	approx. 60
<b>Re-coating interval</b>	min., at 23 °C, 50 % rel. humidity	h	24
	max. at 23 °C, 50 % rel. humidity	d	2
<b>Dust dry after</b>	at 23 °C, 50 % relative humidity	h	approx. 4
<b>Ready for foot traffic</b>	at 23 °C, 50 % relative humidity	h	approx. 12
<b>Fully cured - ready for exposure to chemicals</b>	at 23 °C, 50 % relative humidity	d	7
<b>Substrate and application temperature</b>	at least	°C	10
	maximum	°C	30
<b>Permissible relative humidity</b>	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 W 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 W 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 541 W 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. 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.

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 541 W is an elastic top coat and can be applied to most of our CONICA PUR-coatings. The expected mechanical strain needs to be considered for the complete system.

**Sealing** with CONIFLOOR 541 W needs to be done **latest within 2 days** (20°C) after latest application. Re-coating intervals need to be kept.

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.

**Pre-treatment** of the substrate by e.g. grinding or sanding (including the necessary post-treatments) 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 W is supplied in 10 kg working packs. A and B component are supplied separately in the correct proportions.

#### **Colour**

colourless

#### **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 W 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 W meets the requirements of the EC directive 2004/42/EC.



#### **CE-Label:**

See Declaration of Performance.