

# CONIPUR 3202 W

## Two Component, Water Based PUR Indoor Sealing Lacquer with Mat Finish

### Product description

CONIPUR 3202 W is a **water based**, elastic, two component satin mat finish PUR sealing lacquer of low viscosity.

### Fields of application

**Pigmented** CONIPUR 3202 W is used as an UV resistant sealing lacquer for CONICA indoor sports floor coatings CONIPUR 224 (N), CONIPUR 3330 and CONIPUR 224 FL.

Furthermore, the **transparent**, colourless CONIPUR 3202 W can be used as colourless top coat on

top of **pigmented, elastic top coats** for indoor sports floorings.

When using CONIPUR 3202 W on other than CONIPUR products **adhesion tests** must be carried out.

### Properties

CONIPUR 3202 W exhibits good adhesion to non-porous substrates and is easy to apply.

Fully cured, CONIPUR 3202 W exhibits excellent mechanical properties.

### Technical Data

<b>Mixing ratio</b>	in parts by weight		10 : 1
<b>Density (pigmented)</b>	component A, at 23°C	g/cm <sup>3</sup>	approx 1.19
	component B, at 23°C	g/cm <sup>3</sup>	approx 1.13
	mix, at 23 °C	g/cm <sup>3</sup>	approx 1.18
<b>Viscosity (pigmented)</b>	at 23 °C, 50 % relative humidity	mPas	approx. 630
<b>Density (colourless)</b>	component A, at 23°C	g/cm <sup>3</sup>	approx 1.05
	component B, at 23°C	g/cm <sup>3</sup>	approx 1.13
	mix, at 23 °C	g/cm <sup>3</sup>	approx 1.05
<b>Viscosity (colourless)</b>	at 23 °C, 50 % relative humidity	mPas	approx. 650
<b>Pot life (10kg mixture)</b>	at 23 °C, 50 % relative humidity	min	approx. 60
<b>Re-coating interval (coating)</b>	min. at 23 °C, 50 % rel. humidity	h	12
	max. at 23 °C, 50 % rel. humidity	h	48
<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	approx. 7
<b>Substrate and application temperature</b>	at least	°C	10
	maximum	°C	30
<b>Permissible relative humidity</b>	at least	%	30
	maximum	%	80

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

## Application method

CONIPUR 3202 W is supplied in the correct proportions of component A (resin) and component B (hardener).

The optimal **temperature** of the material before and during application is between **15** and **25 °C**.

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

Pour component B into component A and ensure that the pail containing component B is emptied completely. The mixing procedure needs to start immediately.

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 at **least two minutes** and must 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 1 more minute.

CONIPUR 3202 W is normally applied to the pre-treated substrate by **rolling** with "Microtex" rollers (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 CONIPUR 3202 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.

### Important

As CONIPUR 3202 W is **water based**, it is more **sensitive** to high / low temperatures and humidity than solvent containing products – thus **special attention** needs to be on the **climatic conditions before, during** and **after** application.

The **application must** be carried out **without interruptions** in order to avoid flooding of the pigments (cloudy surface).

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.

**Indirect ventilation** systems and **underfloor heating** systems must be adjusted to avoid too rapid drying.

To fully cure the material, the substrate and working temperature must not fall below the minimum.

After application, the material must be protected from direct contact with water for approx. 10 hours (at 15 °C). Within this period, water could cause swelling of the sealing lacquer.

## Cleaning agent

Re-usable tools must be cleaned carefully with CLEANER 40 or other suitable solvents (e.g. butyl acetate).

## Substrate condition

CONIPUR 3202 W is applied to our elastic coatings CONIPUR 224 (N), CONIPUR 3330 and CONIPUR 224 FL.

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 is only necessary if the coating is very dirty, when applied onto old coatings or if the re-coating interval has been exceeded.

The **consumption** is approximately 0.13 kg/m<sup>2</sup>.

Sealing with CONIPUR 3202 W needs to be done **latest within 2 days** after the application of our coating material.

### Important

The 2<sup>nd</sup> coating layer of CONIPUR 3202 W **must** be applied **latest 24hours** after the **1<sup>st</sup> layer** without any pre-treatments - the floor needs to clean, dry and free of dust.

If the first coat of CONIPUR 3202 W is applied **≥ 24 hours** before the second coating, **grinding** and **cleaning** is **mandatory**.

Otherwise **adhesion** problems may occur.

**Grinding:** thorough **matting** of the **complete surface** with a single disk machine and a grinding net (grain size 180) or a black pad. There must be **no visible glossy spots**.

Subsequent **cleaning** (vacuum cleaning, wiping moistly, curing completely) is necessary before the 2<sup>nd</sup> coat of the top coat can be applied.

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

### Pack size

CONIPUR 3202 W is supplied in 10 kg working packs. A and B component are supplied separately in the correct proportions.

### Colour

- standard colours: see CONICA's colour chart - other colours on request.
- transparent, colourless

**Important:** Please make sure, that the CONICA top coat has sufficient **coverage strength** on top of the grey coloured CONIPUR 224 FL (for further advice please contact us). Else the top coat has to be applied in **2 coats** – in some cases even 3 coats.

### 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. Though the delivery is arranged to be **one batch** for part A only please verify, that there is only one batch of part A on site.

### Safety precautions

CONIPUR 3202 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.

CONIPUR 3202 W meets the requirements of the EC directive 2004/42/EC.