

# CONIPUR 3100

## Two Component PUR Line Painting for Indoor Sports Surfaces

### Product description

CONIPUR 3100 is a solvent containing, weathering resistant, pigmented and mat finish two component PUR line painting.

### Fields of application

CONIPUR 3100 is used as a line painting for elastic sports hall coatings based on polyurethane, linoleum or PVC.

Due to the multitude of PVC and linoleum products with different qualities, good adherence of CONIPUR 3100 on these products **cannot** be guaranteed. Preliminary tests must be carried out.

### Properties

CONIPUR 3100 exhibits good adhesion to elastic CONIPUR indoor sports hall coatings, to CONIPUR sealers and to most PVC and linoleum coatings.

CONIPUR 3100 is easy to apply, easy to clean and shows excellent UV resistance.

Fully cured, CONIPUR 3100 exhibits high mechanical properties and is resistant to water, sea and waste water, as well as to a variety of alkalis, diluted acids, brine, mineral oils, lubricants and fuels.

### Technical Data

|                                                                                          |                       |                   |              |
|------------------------------------------------------------------------------------------|-----------------------|-------------------|--------------|
| <b>Mixing ratio</b>                                                                      | in parts by weight    |                   | 3.6 :1       |
| <b>Density</b>                                                                           | component A, at 23 °C | g/cm <sup>3</sup> | approx. 1.38 |
|                                                                                          | component B, at 23 °C | g/cm <sup>3</sup> | approx. 1.16 |
|                                                                                          | mix, at 23 °C         | g/cm <sup>3</sup> | approx. 1.34 |
| <b>Viscosity</b>                                                                         | at 23 °C              | mPas              | approx. 1220 |
| <b>Re-coating interval</b>                                                               | minimum, at 23 °C     | h                 | 12           |
|                                                                                          | maximum, at 23 °C     | d                 | 3            |
| <b>Pot life</b>                                                                          | at 23 °C              | min               | > 60         |
| <b>Dust dry after</b>                                                                    | at 23 °C              | h                 | approx. 7    |
| <b>Dry to handle</b>                                                                     | at 23 °C              | h                 | approx. 10   |
| <b>Ready for foot traffic</b>                                                            | at 23 °C              | h                 | approx. 24   |
| <b>Fully cured, ready for exposure to traffic</b>                                        | at 23 °C              | d                 | approx. 5    |
| <b>Substrate and application temperature</b>                                             | minimum               | °C                | 10           |
|                                                                                          | maximum               | °C                | 30           |
| <b>Permissible relative humidity</b>                                                     | maximum               | %                 | 80           |
| <i>Above figures are guide values and must not be used as a base for specifications!</i> |                       |                   |              |

### Application method

CONIPUR 3100 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.

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 2 minutes** and must be performed until the blend is **homogenous** and streak free. Mixing can also be done using a wooden stick; in this case the mixing time must be increased to 5 minutes.

Pour the mix into another **clean** pail and mix it again for 1 more minute.

CONIPUR 3100 is applied to the pre-treated substrate using a paint roller or a paint brush. **Masking tape** must be used to ensure a clean crisp edge to the lines.

The pot life and curing time of CONIPUR 3100 are influenced by the ambient material 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. Direct sunlight shortens the time frames considerably.

After application, the material must be protected from direct contact with water for approx. 16 hours (at 15 °C). Within this period, water could cause foaming of the line painting.

If necessary, the viscosity of CONIPUR 3100 can be reduced by adding up to 10 % THINNER 20.

### Cleaning agent

Re-usable tools must be cleaned carefully with CLEANER 40 or other suitable solvents (e.g. butyl acetate). Never use water or alcoholic solvents as cleaners!

### Substrate condition

CONIPUR 3100 is used as a line painting for sports hall surfaces.

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 on top of old coatings or line markings 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.

**PVC and linoleum** coatings have to be degreased and cleaned thoroughly. Due to the multitude of PVC and linoleum products with different qualities, good adhesion of CONIPUR 3100 on these products cannot be guaranteed. Preliminary tests have to be carried out.

### Pack size

CONIPUR 3100 is supplied in cartons containing with 4 cans part A (one colour) plus 4 cans part B.

A and B component are supplied separately in the correct proportions.

### Colour

ca. RAL 1018 = yellow

ca. RAL 2010 = orange

ca. RAL 3001 = red

ca. RAL 6025 = green

ca. RAL 5012 = blue.

ca. RAL 5005 = dark blue

ca. RAL 7036 = grey

ca. RAL 9004 = black

ca. RAL 9016 =white

"ca." stands for approximate match to RAL

### Storage

Store in original closed packing under dry conditions at a temperature range of 15 - 25°C.

Do not expose to direct sunlight.

Before use, please see "best before" date on the tin.

### Safety precautions

CONIPUR 3100 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 3100 meets the requirements of the EC directive 2004/42/EC.