

# CONIPUR 3330 / CONIPUR 3330ew

## Two Component PUR Coating for Sport Flooring Systems

### Product description

The pigmented CONIPUR 3330 as well as the semi-transparent CONIPUR 3330ew are solvent free and self-levelling PUR coatings for sports halls.

### Fields of application

CONIPUR 3330 is used as coating for indoor sports floorings with an [elastic layer up to 9mm thickness](#). For

[higher thicknesses](#) (> 9mm) our CONIPUR 224 (N) - featuring stronger mechanical properties – is used.

The [unpigmented](#) variation CONIPUR 3330ew is used to [increase](#) the [wear coat](#) of CONIPUR AE *extreme wear*.

### Properties

CONIPUR 3330 / CONIPUR 3330ew exhibit good self-levelling and excellent de-aeration properties.

### Technical Data

<b>Mixing ratio</b>	in parts by weight		100 : 40
<b>Density</b>	component A, at 23 °C	g/cm <sup>3</sup>	approx. 0.99
	component B, at 23 °C	g/cm <sup>3</sup>	approx. 1.23
	mix, at 23 °C	g/cm <sup>3</sup>	approx. 1.1
<b>Viscosity</b>	component A, at 23 °C	mPas	approx. 845
	component B, at 23 °C	mPas	approx. 80-120
	mix, at 23 °C	mPas	approx. 600
<b>Pot life</b>	at 23 °C	min	approx. 45
<b>Re-coating interval / ready for foot traffic</b>	at 23 °C and 50 % relative humidity	h	approx. 16
<b>Substrate and application temperature</b>	minimum	°C	10
	maximum	°C	30
<b>Permissible relative humidity</b>	maximum	%	75
<b>Shore A hardness</b>	after 28 d		75
<b>Tensile strength</b>	DIN 53504	N/mm <sup>2</sup>	7.12
<b>Elongation at break</b>	DIN 53504	%	107
<b>Tear strength</b>	DIN 53515	N/mm	19.6

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

### Preparation

The [flatness](#) of the substrate may not exceed a [tolerance](#) of [2 mm](#) measured with a [straight edge of 4 m](#). Else the coating will run off the highest spots, the required thickness of 2 mm will not be reached on the total surface, accordingly the mechanical properties will decrease.

In case CONIPUR 3330ew is applied on a wooden subbase (CONIPUR AE *extreme wear*), the wood needs to be ground and vacuumed. To avoid the running-off of the coating at the edges a self-gluing [foam strip](#) has to be fixed along the edges on the wood.



When applying CONIPUR 3330 (pigmented) on a pore-sealed prefabricated elastic layer, which is laid to the wall, a foam strip is not necessary.

### Application method

CONIPUR 3330 / CONIPUR 3330ew 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 slowly rotating mixing device at about 300 rev/min.

Ensure that the mixing device reaches 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.

Pour the mix into another **clean** pail and mix it again for one additional minute.

CONIPUR 3330 / CONIPUR 3330ew is applied to the pre-treated surface using a toothed squeegee.

To obtain a coating layer of **2mm**, the consumption rate of is approximately **2.2 kg/m<sup>2</sup>** which corresponds to an approximate consumption of 1.1 kg/m<sup>2</sup> per 1mm thickness of this coating.

When working at the recommended ambient and substrate temperatures, it is **not** necessary to flame or to spike roll the coating in order to obtain a bubble free and well levelled surface.

Working life and curing time of CONIPUR 3330 / CONIPUR 3330ew are influenced by the ambient and substrate temperature. At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, re-coating interval and open time. 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 must be protected from direct contact with water for approx. 12 hours (at 15 °C). Within this period, contact with water can cause foaming on the surface of the coating.

### 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

Substrates to be coated must 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.

The **flatness** of the substrate may not exceed a **tolerance** of **2 mm** measured with a **straight edge** of **4 m**. Else the coating will run off the highest spots.

CONIPUR 3330 is usually applied onto **pore sealed** pre-fabricated or in-situ applied rubber granule mats and CONIPUR 3330ew onto a wooden subbase.

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

### Pack size

CONIPUR 3330 / CONIPUR 3330ew are supplied in 25.4 kg working packs. Components **A** and **B** are supplied in the correct proportions and delivered separately.

### Colour

**CONIPUR 3330** standard colours: approximate RAL 1001, approximate RAL 5024, approximate RAL 6021, and approximate RAL 7032.

The transparent-green (**unpigmented**) variation **CONIPUR 3330ew** (part **B** = CONIPUR 3330) is **exclusively** used to increase the wear coat in our CONIPUR AE *extreme wear* flooring system and **must** be re-worked with CONIPUR 224 (N) – building a total wear coat of 4+2mm.

### Storage

Store in unopened pails under dry conditions at a temperature range of 5 - 25 °C.

Do not expose to direct sunlight.

Before use, please see "best before" date on the pail / drum.

### Safety precautions

CONIPUR 3330 / CONIPUR 3330ew are 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 3330 / CONIPUR 3330ew meet the requirements of the EC directive 2004/42/EC.