

# CONIPUR 3335

## Two Component, Low Emission PUR Coating as Elastic Layer for Sports Halls

### Product description

CONIPUR 3335 is a two component, solvent free, self-levelling PUR coating.

### Fields of application

CONIPUR 3335 is used for indoor sports floorings as an [elastic layer](#) replacing the pre-fabricated elastic layer for point and combined elastic floorings.

### Properties

Due to its properties, CONIPUR 3335 can fully [replace](#) the [pre-fabricated elastic layer](#) in our sports flooring systems CONIPUR HG pure and CONIPUR CE pure.

Up to a thickness of 10 mm, CONIPUR 3335 can be applied in 1 coat, for higher thicknesses we recommend to apply in 2 coats.

CONIPUR 3335 exhibits good self-levelling and excellent de-aeration properties as well as good mechanical properties.

CONIPUR 3335 is applied to the ground or shot blasted concrete which is pre-treated with CONIPUR 3710.

After CONIPUR 3335 has cured, the coating CONIPUR 224 (N) can be applied immediately, the application of a pore sealer is not necessary.

### Technical Data

<b>Mixing ratio</b>	in parts by weight		100 : 27
<b>Density</b>	component A, at 23 °C	g/cm <sup>3</sup>	approx. 0.67
	component B, at 23 °C	g/cm <sup>3</sup>	approx. 1.21
	mix, at 23 °C	g/cm <sup>3</sup>	approx. 0.75
<b>Viscosity</b>	component A, at 23 °C	mPas	approx. 4'000
	component B, at 23 °C	mPas	approx. 250
	mix, at 23 °C	mPas	approx. 3'000
<b>Pot life</b>	at 12°C	min.	approx. 60
	at 23 °C	min.	approx. 40
	at 30°C	min.	approx. 20
<b>Ready for foot traffic</b>	at 23 °C and 50 % relative humidity	h	approx. 16
<b>Recoating with CONIPUR 224 (N)</b>	after max.	h.	72
<b>Substrate and application temperature</b>	minimum	°C	10
	maximum	°C	30
<b>Permissible relative humidity</b>	maximum	%	
<b>Force reduction in the system with 6mm of CONIPUR 3335 and 2mm CONIPUR 224 (N)</b>	in accordance to EN 14904	%	approx 27.7
<b>Tensile strength (2mm)</b>	DIN 53504	N/mm <sup>2</sup>	1.31
<b>Elongation at break</b>	DIN 53504	%	116

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

### Application method

CONIPUR 3335 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.

Component A is paste-like and has to be **stirred up** first – best with a **double head** stirrer - until it is liquid.



Then component **B** is poured into component A. Make sure, that the pail containing component B is emptied completely.

To achieve a **homogenous** mix, thoroughly mix with a slowly rotating **double head** 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.

CONIPUR 3335 is a very light-weight product, therefore much material is needed compared to other coatings. Therefore, we recommend to use **two mixing devices** for **big surfaces**.

The mix **must** be poured into another **clean** pail and mix it again for one additional minute. This step is necessary to ensure the uniform mixing of the two components.

In case CONIPUR 3335 is applied on a **wooden** subbase, a self-gluing **foam strip** has to be fixed along the edges on the wood to avoid the running-off of the coating at the edges



CONIPUR 3335 is applied to the pre-treated surface using a pin squeegee.



The pin squeegee must be set **1-2mm** higher than the desired thickness of the elastic layer.

In case of a required elastic layer of **8mm**, the consumption rate of CONIPUR 3335 is approximately **6.0 kg/m<sup>2</sup>**, which corresponds to an **approximate consumption of 0.75 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.

The ambient and substrate temperature influences working life and curing time of CONIPUR 3335. 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.

Even **after curing**, the surface remains relatively **sticky**, so special attention must be paid to ensure that **no dirt** is carried onto the surface (clean footwear / clean wagon rolls, etc.) before the following coating is applied.

### 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

The surface preparation of **concrete** is preferably done by dust-free shot blasting or grinding, if required by milling and subsequent shot blasting or grinding followed by vacuuming the surface.

All substrates (new and old) must be structurally sound, dry and free of laitance and loose particles. Clean floors of oil, grease, rubber skid marks, paint stains and other adhesion impairing contaminants.

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

When applying on a prepared **concrete** sub-base **CONIPUR 3710** – an PUR based primer. For more details please see Technical Data Sheet.

In case of a residual moisture > 4 %, in cases of earth-contacting areas without vapour barrier or when the concrete is very porous



CONIPUR 3785 must be used as primer. CONIPUR 3785 is an epoxy based primer, which has to be applied in two

coats. Only the final coat has to be broadcasted with oven dried sand to ensure the adhesion with the following PUR layer.

Further information in the product data sheet of CONIPUR 3785.

When applying CONIPUR 3335 on **wood**, the wood needs to be ground and vacuum cleaned. Then CONIPUR 3710 is applied.

For **other substrates**, preliminary **tests** must be carried out to determine whether and which primer is necessary.

### Pack size

CONIPUR 3335 is supplied in 25 kg working packs. Components A and B are supplied in the correct proportions and delivered separately.

### Colour

whitish-beige

### 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 3335 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 3335 meets the requirements of the EC directive 2004/42/EC