

CONIPUR 3710

Two Component, PUR Primer

Product description

CONIPUR 3710 is a low solvent, unpigmented two component PUR based primer with low viscosity.

Fields of application

CONIPUR 3710 is used for sports hall floorings as a primer for concrete and wooden (unvarnished) subbases.

CONIPUR 3710 is not suitable for bituminous substrates

Properties

CONIPUR 3710 exhibits good adherence on non-porous substrates.

CONIPUR 3710 is easy to apply and must be over-coated within 24 hours.

Technical Data

Mixing ratio	in parts by weight		2 : 1
Density	mix,	at 23 °C	g/cm ³ approx. 1.09
Viscosity	mix,	at 23 °C	mPas approx. 900
Pot life	at 23 °C		min approx. 45
Recoating after (depending on the temperature)	at least	h	4
	maximal	h	24
Substrate and application temperature	minimum	°C	10
	maximum	°C	30
Permissible relative humidity	maximum	%	80
Tensile bond strength			N/mm ² ≥ 1.0

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

Consumption

Approx. 0.50 kg/m² – approximate value – depending on the porosity of the substrate the consumption might be higher.

Application method

CONIPUR 3710 is supplied in working packs, 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 2 minutes and must be performed until the mix is homogenous and streak free.

Pour the mix into another clean pail and thoroughly mix again for at least another minute.

CONIPUR 3710 is applied to the prepared subbase using a rubber squeegee. For porous substrates, CONIPUR 3710 has to be applied in two coats.

Both the application and curing time are essentially determined by the temperature of the material, substrate and environment. At low temperatures, the 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 that the time frames mentioned above are shortened accordingly. Direct sunshine shortens the time frames considerably.

For complete curing, the average temperature of the substrate must not fall below the lowest processing or object temperature.

After application, the primer must be protected from direct contact with water. The effect of water on the surface can significantly impair adhesion to the subsequent coating.

Apply only primer in areas where the following layer will be installed within the next 24 hours. If the application of the following layer does not take place within the 24 hours period, a new coat of primer has to be applied in order to avoid poor adhesion.

Cleaning agent

After application or in the event of application interruption, re-usable tools must be cleaned carefully with CLEANER 40 or other suitable, commercially available solvents (e.g. butyl acetate). Never use water or alcoholic solvents as cleaners.

Substrate condition

Substrates to be coated have to be firm, dry and load bearing, free of loose and brittle particles and substances which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants.

The bond strength of the substrate must be at least 1.5 N/mm² (check with an approved pull off tester e.g. "Herion"). If this is not the case, the substrate has to be prepared by grit or shot blasting, high pressure water jetting, grinding or scabbing (incl. the post treatment).

The residual moisture must not exceed 4 % (check with CM equipment), which corresponds to maximum 75 % relative humidity according to ASTM F 2170. If using the calcium chloride test, the maximum allowable vapour emissions is 4.0 lbs. as per ASTM F 1869.

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

Pack size

CONIPUR 3710 is supplied in 24 kg working packs. A and B component are supplied separately in the correct proportions.

Colour

yellowish (in the mix)

Storage

Store in unopened pails 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 pail / drum.

Safety precautions

CONIPUR 3710 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 3710 meets the requirements of the EC directive 2004/42/EC.

CE-Label:

see Declaration of Performance



UKCA-Label:

see Declaration of Conformity

