

CONIPUR 74

Moisture Curing Single Component PUR Primer

Product description

CONIPUR 74 is a moisture curing, solvent containing, single component PUR primer with low viscosity.

It is of a very low viscosity and therefore has a high capillary activity.

Fields of application

CONIPUR 74 is used as an adhesion primer for sports surfaces to concrete.

CONIPUR 74 is easy to apply and fast curing.

CONIPUR 74 may not be applied onto bituminous substrates.

The material reacts with humidity and eliminates carbon dioxide to produce a resistant, tough elastic film.

Properties

CONIPUR 74 exhibits good adhesion to non-porous substrates.

The yellowing which occurs when exposed to UV light does not affect its mechanical properties.

Fully cured, CONIPUR 74 exhibits excellent mechanical properties. It is resistant to a variety of alkalis, diluted acids, brine, mineral oils, lubricants and fuels.

Technical Data

Density	at 23 °C	g/cm ³	approx. 1.0
Solid density		%	approx. 43
Viscosity	at 23 °C	s	approx. 12
NCO content		%	approx. 8.0
Maximum re-coating time	at 10 °C	h	10
	at 23 °C	h	8
	at 30 °C	h	4
Substrate and application temperature	min.	°C	8
	max.	°C	40
Permissible relative humidity	min.	%	40
	max.	%	90

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

Consumption

0.15-0.25 kg/m² (depends on the porosity of the substrate)

Application method

CONIPUR 74 is a single component material.

Pour the amount required from the drum into an application pack and **apply** it **immediately**.

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.

CONIPUR 74 is applied to the pre-treated surface by **spraying**, using low pressure airless equipment.

For **small areas** also a paint roller or brush can be used.

If the maximum quantity is exceeded, the material can foam. We therefore recommend applying a **thin** and **uniform layer**. Avoid puddles.

The working life and curing time of CONIPUR 74 are influenced by the ambient material and substrate temperature. 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 the contrary is true. Direct sunshine on the coating shortens the time frames considerably.

Apply only as much as can be re-coated during the **maximum re-coating time** (see technical data). If **exceeding** this interval, a **new** thin **coat** of CONIPUR 74, with a max. consumption rate of max. 0.08 kg/m² has to be applied in order to avoid poor adhesion.

Allow for the **entire evaporation** of the solvent before applying any coating.

The **next layer** can be applied when the **primer** becomes **sticky**.

After application, the material must be protected from direct contact with water. Within this period, adhesion of next coat could be impaired. After rainfall, the application of a new coat of primer is necessary.

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 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.

The bond strength of the concrete must be at least 1.0 N/mm². 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 74 is supplied in 180 kg drums or 18 kg pails.

Colour

colourless to brownish

Storage

Store in original closed packing, under dry conditions at a temperature range of 5 - 25 °C.

Do not expose the packs to direct sunlight.

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

Safety precautions

CONIPUR 74 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 74 meets the requirements of the EC directive 2004/42/EC.