

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.

Fields of application

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

CONIPUR 74 may not be applied onto bituminous substrates.

Properties

CONIPUR 74 exhibits good adhesion to non-porous substrates.

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

CONIPUR 74 is easy to apply and fast curing.

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

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
Recoating after (depending on the humidity of the air)	at least maximal	h	approx.. 2 approx. 12
Substrate and application temperature	min. max.	°C °C	8 40
Permissible relative humidity	min. max.	% %	40 90
Tensile bond strength		N/mm ²	≥ 1.0
<i>Above figures are guide values and must not be used as a base for specifications!</i>			

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.

When exceeding the maximum coverage quantity, the material can foam and cure very slowly. We therefore recommend applying a thin and uniform layer. Avoid puddles.

In addition to the temperature of the material, environment and substrate, the humidity of the air is of crucial importance for application and curing. Low humidity of the air lengthens the pot life, re-coating interval and open time. At high humidity, the chemical reactions are accelerated, so that the times mentioned above are shortened accordingly.

Allow the solvent to evaporate and the base course to become sticky, before applying the following layer. Depending on the prevailing humidity of the air, this is the case after about two hours.

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 1.5 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.

CE-Label:

see Declaration of Performance



UKCA-Label:

see Declaration of Conformity

