

CONIPUR 70

Moisture Curing Single Component PUR Primer

Product description

CONIPUR 70 is a moisture curing, solvent containing, single component PUR primer with low viscosity.

Fields of application

CONIPUR 70 is used as a primer on bituminous substrates for sports surfaces.

Properties

CONIPUR 70 shows good adhesion to non-porous substrates. It is of very low viscosity and therefore exhibits a high capillary activity.

CONIPUR 70 is easy to apply. The material reacts with humidity and eliminates carbon dioxide to produce a resistant, tough elastic film.

Fully cured, CONIPUR 70 features a high mechanical strength.

Technical Data

| | | | |
|---------------------------------------------------------------|------------------|-------------------|-------------------------|
| Density | at 23 °C | g/cm ³ | approx. 0.97 |
| Solid density | | % | approx. 43 |
| Viscosity | at 23 °C | mPas | 27.5 (± 12.5) |
| NCO content | | % | approx. 5.0 |
| 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 |
| Recommended relative humidity | min. max. | % % | 40 90 |
| 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. 0.15 kg/m² – approximate value – depending on the porosity of the substrate the consumption might be higher.

Application method

CONIPUR 70 is a single component material. It is filled from the delivery container into a clean container and applied 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 70 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 consumption rate, the material may foam and cure only 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.

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. After rainfall, it is always necessary to prime again.

Apply only primer in areas where the following layer will be installed within the next 12 hours. If the application of the base layer does not take place within the 12 hours period, a new coat of primer has to be applied in order to avoid poor adhesion.

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

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

Pack size

CONIPUR 70 is supplied in 180 kg drums or 18 kg pails.

Colour

straw coloured / brownish

Storage

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

Do not expose the drums to direct sunlight.

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

Safety precautions

CONIPUR 70 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 70 meets the requirements of the EC directive 2004/42/EC.

CE-Label:

see Declaration of Performance



UKCA-Label:

see Declaration of Conformity

