

UNIPU 045 1K Moisture Curing PU Concrete Primer

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PRODUCT DESCRIPTION

UNIPU 045 1K is solvent based one component moisture curing PU primer for concrete surfaces.

APPLICATION AREAS

UNIPU 045 1K is used as adhesion primer on concrete surfaces as sports flooring subbase or PU substrates for PU coatings like UNIPU 901 or Rubber mats.

PRINCIPAL CHARACTERISTICS

- UNIPU 045 1K has good adhesion on to smooth surfaces.
- Because of its low viscosity can fill surface capillar.
- Easy to apply, cures fast.
- Reacts with humidity
- Has excellent mechanical strength
- Resistant alkali, weak acids, mineral oils , fuels and lubricants

BASIC DATA (for mixed product at 23°C)

Density (23° C)	0,88 gr/cm ³
Solid Content	%47
Vicosity Ford Cup No 4 23° C	12 second
NCO content	%8
Recoating time 10° C	12 h
23° C	9 h
30° C	5 h
Surface and application Temp.	10-40° C
Applicable relative humidity	%40-90
Consumptions	0,150-0,200 kg/m ²

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SURFACE PREPARATION

Surface has to be firm , dry , load bearing and free of loose and some substances like oil, grease, dust, any kind of paint and other contaminants.

Concrete surfaces bond strength should be 1.0 N/mm². Also if it is needed surface has to be treated by shot blasting , grinding..The moisture ratio must not exceed 4 % and surface temperature must be at least 3°C above the dew point.

APPLICATION

UNIPU 045 1K is ready to use , no need to dilute with solvent, can be applied on surface immediately.

UNIPU 045 1K is applied by roll, brush or low pressure airless. If the film thickness are higher than advised. Thickness, material can be foam.. strongly recommended to apply thin and uniform coats.

UNIPU 045 1K is affected by ambient temperatures, as the temperature decreases reaction time also slows down.

This causes long pot life and recoated time

APPLIED SYSTEMS

UNIPU 045 1K can be used in the following systems:

L'UNICFLEX MULTI

L'UNICFLEX PRO

L'UNICFLEX INDOOR

L'UNICFLEX SPRAY COAT

L'UNICFLEX 2S

However, the material can be used in other systems and applications.

CLEANING

Re-usable tools should be cleaned with UP-008 Thinner.Shouldnt be used alcoholic solvents or water as cleaner.

PACKING

UNIPU 045 1K is available in 180 kg Steel Drums or 20 kg in cans.

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STORAGE

Store in original closed drums, under dry climates between 5-25 °C. Dont expose the drum to sunlight directly. Under these conditions, product has shelf life at least 12 Months

SAFETY PRECOUTIONS

UNIPU 045 1K 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.

Note

The statements made on this technical sheet are believed to be true, accurate and are intended to provide a guide for approved construction practices. UNİCA does not make, nor does it authorize any agent or representative to make any warranty, express or implied, concerning this material as workmanship, weather, construction, equipment utilized and other variables affecting results are all beyond our control. UNİCA warrants only that the material conforms to product specifications and any liability to the buyer or user of this product is limited to the replacement value of the product only. In no event shall UNİCA be liable for any injury, loss or damage, either direct or incidental, special or consequential, however arising, in connection with material or work performed. UNİCA shall not, in any manner, be liable for any defects, variations or change in condition in the substructure over which its products are installed.