

Primer PU100

**MONOCOMPONENT SOLVENT-FREE WATERPROOFING PRIMER
ODOURLESS and FAST DRYING**



Primer PU100 is a ready to use moisture-hardening polyurethane primer completely solvent-free. It is suitable to consolidate dusty or not consistent absorbent screeds and to waterproof concrete subfloors with residual water content, without vapor barrier or containing high absorbing expanded materials.

Suitable also in case of under heating systems.



Technical data

Chemical-Physical characteristics (20°C – 60% R.H.)			
Appearance	Brown liquid	Specific gravity	1,170 g/cm ³
Viscosity (Brookfield)	220 mPa.s		
Times and mixing ratios (20°C – 60% R.H.)			
Touch dry / light traffic	50 ÷ 70 min	Complete curing	~ 24 hours (pure)
Overcoating	min 1h max 24h	Dilution	Up to 5% Diluyente P/100
Technical Characteristics			
Coverage		Subcat. of the product in accordance with Dir.Eur.42/2004 and specific VOC content limits.	Cat.A/h (SB): 750 g/l (Jan2010)
- superficial consol.	~ 5 m ² /kg		
- consolidating	related to absorption		
- waterproofing	~ 2 - 3 m ² /lkg		
Application temperature	> + 10°C	VOC content (pure prod)	0 g/l
Storage and Labeling			
Storage (original unopened packaging at ambient temp.)	12 months (Protect from freeze)	Symbols of danger	Xn
Tools Cleaning	Just after use with Solvente di lavaggio S/23.		
Packaging	Canisters of 6 kg	Canisters of 12 kg	

Application

Subfloors.

The subfloor has to be absorbent, clean, free from detaching substances. Any crack or fissure can be repaired with synthetic mortars prepared using the same Primer PU100 or the epoxy primer Adeblok T19 or the polyurethane primer Toverfix.

Primer PU100 can be used on cement subfloors with residual humidity up to 5% (CM hygrometer) for thickness up to 6 cm.

Primer PU100 is not suitable on substrates like ceramic, marble, glass or not absorbent ones.

Primer PU100 is suitable for anhydride supports (that must have residual humidity <0,5%).

It is possible to apply Primer PU100 also over subfloor containing heating system if it is verified to be solid, compact, not affected by rising damp and with residual moisture content up to 3% (CM hygrometer) or 4,5% (Tramex).

Application.

Waterproofing.

Apply a first coat of Primer PU100, pure or diluted up to 5% with DiluyenteP/100 promoting penetration, using a roll, a brush or a spatula. After 50-70 minutes apply a second coat in the same way sprinkling dry sand as described below.

It is possible to realize an efficient water barrier with only one coat of pure primer provided the application is done homogeneously on the entire surface; any not covered zones may affect the effectiveness.

In any case it is advised to apply one coat of pure primer also along all the perimeter



TOVER S.R.L.
Via Rosa Luxembourg 2/A
10093 COLLEGGNO (TO)
P.IVA 07783540011
R.E.A. n°920259
Tel.: +39-011/7792823
Fax: +39-011/7792749
www.tover.com
e-mail: info@tover.com
Made in Italy



wall for an height of 5-6 cm.

Superficial consolidation

Apply an homogeneous coat of Primer PU100 using a brush, a roll or a spatula; take care to spread enough quantity of product to promote an optimal penetration but avoid the excess. A right application leads to the formation of a continuous and enough rough film so the adhesives will have a better grip.

Dilution is not necessary.

Wet concrete subfloors

(moisture up to 5% measured with CM hygrometer for screeds of thickness up to 6 cm)

Using a brush, a roll or a spatula apply a first coat of Primer PU100, pure or diluted up to 5% with Diluente P/100 to promote penetration. After 50-70 minutes apply a second coat in the same way, without excess; it is advised to sprinkle dry sand on the last primer coat as describe below ('sanding').

In any case it is advised to apply one coat of pure primer also along all the perimeter wall for an height of 5-6 cm.

Making synthetic mortars

To repair cracks or fissures in cement-based screeds it is possible to make synthetic mortars mixing Primer PU100 with dry sand in 1:10 ratio. To promote mortar adhesion on dusty surfaces it is advised to apply the mortar on a still-fresh preliminary coat of pure primer.

In any case the laying of parquet must be done not over 24 hours from the application of the last coat of primer using a two component adhesive like Tovcol TP2C, Tovcol Light, Tovcol PU2C or single component PU like Tovcol PU/F1.

When a silane-modified adhesive like Monosil or Tovcol MS is used, always sprinkle dry sand on the last primer coat as described below.

Direct application of water-based adhesives is not allowed.

Sanding

To promote adhesives grip, it is always recommended to sprinkle dry sand on the last coat of primer when still fresh; after drying remove the exceeding not fixed sand with a vacuum cleaner and proceed to lay. In this way the surface remains rough enough also where the primer is not completely absorbent.

Sanding treatment is necessary before *self-levelling* or expecting *long time* for laying or employing a *silane-modified adhesive*.

Notes

- ✓ Under +15°C the curing time is much longer. It is advised not to use the product with temperatures under +10°C or in presence of a relative air humidity less than 40%.
- ✓ Do not use Primer PU100 in presence of water rising.
- ✓ Sanding operation is always recommended.
- ✓ After use carefully close the package and do not refill it with the not employed product.

Safety Rules

FOR PROFESSIONAL USE ONLY. Strictly respect the information reported on the labels and consult safety data sheets before use.

Disposing of waste

Dispose not used product and empty containers in accordance of local in force regulations.

WARNING: The information reported in present technical data sheet are for guidance only and they do not hold our responsibility. Adapt the use of our products to the environmental conditions and materials to be treated.

REV-7 15-11-2012. Current Technical Data Sheet replaces the previous one.

