Polyurethane Primer

RENGA PRIMER 1K

Polyurethane based · Single-component · Low-viscosity primer

PRODUCT DESCRIPTION

A single-component, low-viscosity, polyurethane based primer. Thanks to its very low viscosity and balanced curing rate, it coats and impregnates almost any porous or non-porous surface (such as glass or metal) evenly; a delayed topcoat is not a problem. It can be applied on dry and slightly damp concrete.

FEATURES

- Single-component.
- Low viscosity.
- Easy to apply on all types of surfaces, including damp concrete.
- Coats and impregnates the surface evenly.
- Elastic.

AREAS OF USE

Used as a primer on concrete structures (including damp concrete), ceramic tiles and non-porous surfaces such as glass, marble and metal; also used for waterproofing concrete surfaces.

TECHNICAL PROPERTIES

PROPERTY	VALUE	STANDARD
Colour	Clear yellow	
Density	0.95 ± 0.05 g/cm^3	ISO 2811
Viscosity (25 °C)	40–50 cP	EN ISO 3219
Hardness	75–80 Shore A	ISO 868
Adhesion to concrete	> 3 N/mm^2	ASTM D4541
Consumption	200–300 g/m^2, depending on surface porosity	

Values are based on tests at 23 °C and 50% relative humidity and may vary at other temperatures and humidity levels.

DRYING TIMES

PROPERTY	VALUE
Interval between coats	4–5 hours
Next coat	6–24 hours
Recoating	12–24 hours
Full cure	1 day

Values apply at 23 °C and 50% relative humidity; low temperatures and high humidity extend these times.

APPLICATION

Surface preparation. Clean the surface with a high-pressure washer where possible; completely remove oil, grease, fuel and paraffin residues, release agents, cement residues, loose particles and cured membranes.

Application. Apply with a brush or roller. Mixing with sand is recommended on uneven surfaces. Apply the topcoat once the primer has cured.

Cleaning. Clean tools and equipment with Renga Thinner as soon as possible. Rollers are single-use.

PACKAGING AND STORAGE

Packaging	25 kg
Storage	Between +5 °C and +35 °C, in its unopened original packaging.
Shelf life	1 year

HEALTH AND SAFETY

Keep flammable products away from the application area; do not smoke. Ventilate the area continuously; wear goggles and gloves. In case of eye contact, rinse with plenty of water. Keep out of the reach of children. For professional use only. For detailed information, refer to the product's safety data sheet (SDS).

The information in this technical data sheet is based on Renga Plus laboratory experience and field applications and applies to the product as of the date of publication. As substrate, weather and application conditions affect product performance, the information is a general guide; the suitability of the product for its intended purpose must be assessed by competent persons before each application. Renga Plus reserves the right to change its products without notice; a new edition of this data sheet supersedes all previous editions. Confirm the current edition at rengaplus.com or with our technical team. For handling, storage, first aid and personal protection information, refer to the product's safety data sheet (SDS).