

GLOW PRO G 101 PU PRIMER

POLYURETHANE, TRANSPARENT, TWO COMPONENT PRIMER

GENERAL CHARACTERISTICS

GLOW Pro modified PU PRIMER G 101 is polyurethane-based, anti-dust, transparent , two-component resin, which is used as an adhesive component between the sub-floor and **the GLOW Pro coating G 102**, a three-component system which consists of GLOW Pro granules and a special, modified, reinforced resins.

- Ideal for old and new surfaces.
- Eliminates dust and decay from old & new floorings, reinforcing their durability.
- Penetrates in depth, protects and hardens old absorbent cement surfaces.

TECNHICAL DATA

Basis:	two-component polyurethane resin
Appearance:	liquid
Viscosity:	180 ± 3 mPa•s at 23°C
Density:	1,075 ± 0,001 gr/cm ³
Mixing proportion (A:B):	75:25 by weight
Final strength:	after 7 days at 23°C
Walkability:	after 2 days
Adhesive strength:	>3 N/mm ² (breaking of concrete)
Colors:	Transparent
Temperature for the application and drying of the material:	12 – 35°C

PREPARATION-APPLICATION

Applied only on dry surfaces. Protected from arising humidity and free of materials that might prevent bonding e.g. dust, loose particles, grease etc. The success in the application depends on the right preparation of the underlay and use of the material.

Good mixing of components A (resin) & B (hardener) packed into separate containers in fixed weight proportions. Mixing should be performed using a low revolution mixer (300-600 rpm) for 1-2 min. Stirring of the mixture should be performed thoroughly near the sides and bottom of the container in order to achieve uniform dispersion of the hardener.

- Grinding of the surface with a mosaic machine, or sandblast and rotor machine in case of vertical surfaces.
- **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and squeegees.
- Priming of the surface with **GLOW Pro modified PU PRIMER G 101** in one layer.
Consumption: 200-250 gr/m², depending on the absorption of the underlay.
- In case of troweled surfaces when there is a need for a penetrating material, it is suggested the application of the **GLOW Pro modified PU PRIMER G 101**, with dilution with 50% **POLYURETHANE SOLVENT** for deeper penetration, in two layers.

Then application of another layer with **GLOW Pro modified PU PRIMER G 101** diluted with 25% **POLYURETHANE SOLVENT 133**. The last layer is applied with undiluted **GLOW Pro modified PU PRIMER G 101**, until the surface is saturated and a film is created. If mat spots appear, then another layer is necessary until the surface is shiny. The next layer follows the other after the previous dries, within 6-12 hours depending on the ambient temperature and not more than 24 hours. The dilution and the number of layers vary from one surface to another depending on the absorbency.

CONSUMPTION

200-250 gr/m²

APPLICATION TOOLS

Nappy rolls, brushes. Tools should be cleaned with **POLYURETHANE SOLVENT** immediately after use.

PACKING

Supplied in drums of 15 Kg and barrels of 200-220 kg.

STORAGE

Six months in unopened containers in dry places with minimum temperature 5°C and maximum temperature 28°C.

REMARKS

- Working time of **GLOW Pro modified PU PRIMER G 101** decreases when ambient temperature rises.
- It **cannot be applied in thickness for closing cracks or holes**.
- The usage of rotor machine must precede the application of **GLOW Pro modified PU PRIMER G 101** for the creation of pores and the right penetration.
- In case old floors are going to be laid or a long period of time interferes between successive layers, the surface must be thoroughly cleaned and ground prior to application of a new layer.
- Our recommendation is that the asphalt subfloor should be applied on well compacted 150 mm road base subfloor and asphalt should be laid in one layer(not 2) in 6 to 8 cm with fine and coarse aggregates (up to 15mm granulometry) like the kind of asphalt used in road construction.
So, new road-grade asphalt will have to be laid (minimum 60mm) in one layer containing coarse aggregates and then mature for 30 days at least, before any application takes place on top of the asphalt to avoid bubbles on the final layer of the sport or rubber floorings.

After hardening **GLOW Pro modified PU PRIMER G 101** is completely safe for health.

CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water.

For more information consult the material safety data sheet.

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of THE GLOW.PRO COMPANY.