

SUBSTRATE PREPARATION RESIN FOR ULTRAFLEX TRAFFIC SYSTEM

UltraPrime PRO is a two-component, low viscosity 100% solid resin. It has been specifically designed to increase bonding and improve the surface levelling prior to the **UltraFlex (UltraFlex, UltraFlex PRO y Ultraflex PRO HT)**. It can be applied on porous substrates.

USES

- ▶ It is specially designed to increase adherence and improve the planimetry of the surfaces where be applied **UltraFlex** waterproofing and coating systems.
- ▶ To apply on porous substrates such as concrete or mortar.

Density at 23°C	1,11 g/cm ³
Viscosity at 23°C	±700 cps
Pot life at 23°C	±35~50 minutes
Drying time at 23°C	±2~3 hours approx.
Coat consumption	± 150 g/m ²
Mix ratio	1:1

GENERAL FEATURES

UltraPrime PRO made up of the mixture of two polyurethane-based components, it needs a flat, clean, and dry surface, as hard as possible.

It can be applied on porous surfaces: concrete, cement, etc. It doesn't need diluting never. Depending on the state of the surface to be treated, unevenness, or plane level, the yield can vary between 150-300 g/sqm. in several layers.

It can be applied with a roller, brush, or airless spray equipment (verify pot life). It can be applied on surfaces with a maximum surface humidity of 5%. Do not apply to surfaces that are damp or exuding water coming from the interior of the substrate (water pressure due to phreatic level, condensations, leaking, etc.).

It can be applied in combination with mineral particles (silica sand) on very uneven surfaces. 100% solids (zero VOC's). Excellent bond on porous surfaces.

It has CE marking if it is used on the waterproofing **UltraFlex** system based on polyurethane, under European guide ETAG #005.

APPLICATION

The surface must be clean and dry. If necessary, use pressurized water to remove any oil or grease residue, efflorescence, or other contaminants, as well as loose cement latencies. Before applying, take into account the residual humidity from cleaning and do not apply if it's higher than 5%, that is, wait until its total evaporation or verify any humidity in the surface using a measuring device.

ULTRAPRIME PRO

In some cases, it will be necessary to use mechanical processes to prepare the surface, as well as chemical means to clean metal surfaces.

Mix the two components of **UltraPrime PRO** for about 2 minutes (medium speed).

Apply two or more coats of **PRIMER ULTRAPRIME PRO** until the desired thickness is obtained. If the surface to be treated is very uneven, apply an initial coat of **PRIMER ULTRAPRIME PRO** mixed with mineral fillings to level it. Wait until completely dry before applying the desired waterproofing or concrete protection system.

PROPERTIES

PROPERTIES	VALUE
Density at 23°C ISO 1675	1,11 g/cm ³
Density compound A at 23°C ISO 1675	1,19±5% g/cm ³
Density compound B at 23°C ISO 1675	1,03±5% g/cm ³
Viscosity at 23 °C ISO 2555	700±50 cps
Viscosity compound A at 23 °C ISO 2555	450±50 cps
Viscosity compound B at 23 °C ISO 2555	900±50 cps
Mixing ratio	1:1
Solids content ISO 1768	100%
VOC (volatile organic compounds)	0
Adhesion to the concrete	>2 MPa
Pot life at 23 °C	35~50 minutes
Tack-free time at 23 °C	±60 minutes
Drying time at 23 °C	±2~3 hours
Recoat range time at 23 °C	±3~24 hours
Ambiance application temperature range	5~35 °C
Service temperature range	15~80 °C
Max. Moisture on the support	5%
Dilution	NO

**The values in this table are approximate and can vary depending on the situation of the support or application methodology employed*

PACKAGING: Metal tins of 5 kg each one. (pack of 10 Kg).

SHELF LIVE: 12 months for each product at temperatures between 5° C and 35° C, provided it is stored in a dry place. Once the tin has been opened, the product must be used immediately.

HANDLING AND TRANSPORT: These safety recommendations for handling, are necessary for the implementation process as well as in the pre and post, on exposure to the loading machinery. Respiratory Protection: When handling or spraying use an airpurifying respirator. Skin protection: Use rubber gloves, remove immediately after contamination. Wear clean body-covering. Wash thoroughly with soap and water after work and before eating, drinking, or smoking. Eye / Face: Wear safety goggles to prevent splashing and exposure to particles in the air. Waste: Waste generation should be avoided or minimized. Incinerate under controlled conditions in accordance with local laws and national regulations. Anyway, consult the material and safety data sheet of the product (MSDS) or contact our technical department.