



FUTURPRIMER AQUASMART PU2K

TWO-COMPONENT WATER-BASED POLYURETHANE PRIMER WITH LOW VISCOSITY AND FAST CURING

100% solids two-component water-based polyurethane primer applicable on wet concrete with a fast curing time compatible with polyurea applications. Contains no solvents, Zero VOC and trouble-free for road and ship transport.

PROPERTIES

Quick and easy application with 1:1 mixing ratios.
Fast curing even at low temperatures.
Suitable for application in closed spaces.
Excellent adhesion on wet or green concrete.
Solvent free. Non-flammable. Zero VOC. No special requirements for transportation.

PHYSICAL-CHEMICAL CHARACTERISTICS

Appearance*:	Liquid
Presentation:	Metal containers 4 L 2C containers Mixing proportions: 1 part comp. A/1 part comp. B
Color:	Colorless
Chemical nature:	Water-based polyurethane
Density at 20 °C*:	1.00 ± 0.050 Kg/L (20 °C, ASTM D1475)
Viscosity:	100 cP (25 °C, ASTM D2196-86)
Touch dry:	2 hours
Repainted:	2-24 hours (25 °C)
Total curing:	7 days
Support temperature:	> +10 °C, < +40 °C
Ambient temperature:	> +10 °C, < +40 °C
Adhesion to concrete:	> 30 Kg/cm ² (ASTM D4541) > 3 N/mm ²
VOC:	0 g/L
Fire behavior:	ND
Emission of corrosive substances:	SR
Water vapor permeability:	ND
Wear resistance:	ND
Adherence:	B20
Shore D Hardness:	ND
Acoustic insulation:	ND
Acoustic absorption:	ND
Thermal resistance:	ND
Chemical resistance:	ND

* Quality specifications.



MODE OF USE

Before applying the product, check that the support is clean and free of traces of oil, grease, silicone, contaminating waxes or soil materials. If repair is needed, apply appropriate repair mortars.

Apply at room temperature between +10 °C and 40 °C. The temperature of the support must be between +10 °C and 40 °C. The support must be dry and with relative humidity. It is important to control the dew point to prevent condensation from occurring and avoid whitish areas on the coating.

It is necessary to start from a porous concrete support, without grout, free of curing liquids, free of dust, level with porosity and dry. Minimum compressive strength of concrete: 15 N/mm². Minimum tensile strength of concrete: 1 N/mm².

If in doubt, carry out a test before application.

Mix the two components in the recommended proportion of 1 part by weight of component A for every 1 part of component B.

Shake well before use with a low-speed electric stirrer (300-400 rpm) to avoid including air in the product for 2-3 minutes until a homogeneous product is obtained.

Product ready to use. We do not recommend dilution.

Apply with a roller. On concrete or hot support we recommend moistening the support before application.

Apply in thin layers with a maximum final consumption of 150 g/m² in one or two layers. Once the container is opened, we recommend total consumption.

Carry out repainting before the previous layer dries to increase its adhesion (2 hours, maximum 24 hours).

Touch dry: 1-2 hours

Pedestrian traffic: 24 hours

Light traffic: 2 days

Total curing: 7 days

Data at ambient temperature of +25 °C and 55% relative humidity.

Drying times can be affected by changes in environmental conditions and especially by changes in humidity and temperature.

Maintenance and cleaning: To maintain the appearance of the floor after application, all spills must be removed immediately after they have occurred. The floor must be cleaned regularly using rotating brushes, high-pressure cleaners, vacuum cleaners, using neutral detergents and appropriate waxes.

Once the container is opened, we recommend its complete consumption. Once the two components have been mixed, the mixture obtained must be applied, respecting the pot-life.

Stable for 12 months from its manufacturing date, in its original, well-closed and undamaged container. Store in a dry and cool place at temperatures between +5°C and +25°C.

Application in closed areas must be carried out ensuring proper ventilation during application and 24 hours after.

Do not exceed the maximum consumption because it may affect its adhesion and durability.

Avoid the formation of puddles of the product.

In applications exposed to U.V. rays, yellowing may occur. For applications with chemical resistance, consult the technical department. Incorrect treatment of cracks and singular points can lead to a reduction in the useful life of the pavement. To clean materials and utensils, use FUTURSOLVENT 001 before the product hardens. Once the product has hardened it can only be removed by mechanical means.

APPLICATIONS

Very useful in all types of construction companies, quick repair contracts, masonry in general, community maintenance, repair and restoration of buildings, industrial flooring, etc.

Application as:

Primer suitable for polyurethane, polyurea, water-based coatings, acrylic and epoxy systems.

Fast curing requirements.

Supported media:



Dry or wet concrete.

Mortar, non-glazed ceramic, metal sheets.

For other supports we recommend carrying out tests to verify their adhesion.

The information and recommendations we provide are based on our Research and experience and we believe they are correct. Since the application of the products by our Clients is beyond our control, we cannot assume responsibilities arising from misuse of our products.