

# Syntech Poliurea Spray-Soft

Two-component epoxy primer for polyurea, suitable for all surfaces



SYNTECH POLYUREA PRIMER is a two-component formulation based on epoxy resin in combination with cycloaliphatic amine hardeners. It is characterised by high values of penetration ability, and reinforcement, with particular reference to concrete surfaces, and is also indicated on most media and surfaces found in the building industry. Specific for the preparation of surfaces prior to coating them with SYNTECH POLYUREA SPRAY.

**CUSTOMS CODE:** 3909 5090

**COMPONENTS:** Two-components

**APPEARANCE:** Liquid + Liquid

**AVAILABLE COLORS:** Window grey

**PACKAGING AND DIMENSIONS:** Barrel 225 kg [A] - Barrel 200 kg [B] - Kit: 1 Barrel 225 kg [A] + 1 Barrel 200 kg [B]

## FIELDS OF APPLICATION

Preparation of media and building surfaces (concrete, ceramics, wood, glass, cement, etc.), prior to coating them with SYNTECH POLYUREA SPRAY.

## ALLOWED SUPPORTS

Plasters - Concrete - Cement-based or lime-based mortars - Prefabricated concrete - Drywall - Wood - Metal surfaces - Fiber-cement - Tiles - Bitumen waterproofing membranes - Floor screed - Rock walls

## PREPARATION OF SUPPORTS

The surfaces of application will be conveniently seasoned, prepared, adequately strong and absorbent; exempt from phenomena of rising damp surface, dust, grease, soiling, crumbling and non-adhering parts, hydro-repellent coatings or detected humidity. For more degraded floorings, in addition, preliminary shot peening or milling of the surfaces may be required.

## MODE OF USE

Pour component B with component A into a single container, taking care to remove all the material from the packaging. Mix thoroughly with a mixer at a low number of revolutions, or with a suitable worksite tool, for about 2 minutes, until a smooth lump-free mixture is obtained. Lay a homogeneous layer of product on the previously prepared surfaces to be treated, preferably by roller or brush. Thanks to the particular chemical structure of the amine curing used, SYNTECH POLYUREA PRIMER is responsive and effective even in cold weather.

## APPLICATION METHODS

Two-components hot sprayer



## TOOL CLEANING

Thinner for resins

## KEY FEATURES

- Density: 1.11-1.12 (A) - 1.00-1.05 (B) g/cm<sup>3</sup>
- Shelf-life: 6 months
- Use wearing protective glasses
- Dosage: 2.2 kg/m<sup>2</sup>
- Temperature of use: +10/ +80 °C
- Use wearing protective gloves

## TECHNICAL SPECIFICATIONS

Touch hardening at 20°C > **30 s**

Viscosity **600 +/- 200 (A) - 400 +/- 200 (B) mPas**

Gel time **10 s**

Working temperature **-10/ +80 °C**

*ShA UNI EN ISO 868:2005*

Hardness **85 +/-5**

*UNI EN 1931:2002*

Permeability to water vapor **0.025**

*UNI EN 1542:1999*

Concrete adhesion (cutting test) > **1.5 N/mm<sup>2</sup>**

*ISO 527-1:2012*

Longitudinal elongation at break **400 (+/- 30) %**

## STORAGE AND CONSERVATION

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity. Store the product at a temperature between +5°C and +35°C.

## ADDITIONAL CONTENT



## WARNINGS AND PRECAUTIONS

SYNTECH POLIUREA PRIMER is a product intended exclusively for professional use and it should be handled according to the instructions provided in the Safety Data Sheet, wearing gloves, goggles and protective clothing.

Do not apply with exposure to sunlight and direct ventilation. Avoid contact with water in the application phase. The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: [www.azichem.com](http://www.azichem.com). The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: [www.azichem.com](http://www.azichem.com).

It is forbidden to dispose of the product and/or packaging in the environment.

