



Family  
**Syntech**

Product Lines  
• Aqua

Type  
**Polyurethane resins and related accessories**

Functional Categories  
• **Waterproofing with hot-sprayed elastomeric coatings (100% pure polyurea)**  
• **Fixing treatments to be applied before varnishing and coating**  
• **Protective, strengthening, polyurethane or epoxy coatings**

Components  
**Two-components**

Appearance  
**Liquid + Liquid**

SYN.0192

## SYNTECH POLIUREA PRIMER

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

### Dosage

0.13 - 0.25 kg /m<sup>2</sup>  
(Recommended: 0.2 kg /m<sup>2</sup>)

### Packaging

- Pail 10 kg [A]  
- Can 5 kg [B]  
- Kit: 1 Pail 10 kg [A] + 1 Can 5 kg [B]

### Application

- Brush  
- Paint roller

## General description

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.


## Fields of application

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

## Available colours

• Transparent


## Basic features

 Density:  
1.10 (±0.05) kg/dm<sup>3</sup>


→  Min. recommended thickness:  
150 µm

A:B Mixing ratio:  
2:1 \_

 Nonflammable

 Pot-life:  
30 min

 Shelf-life:  
12 months

 Temperature of use:  
+5 / +30 °C

 Use wearing protective glasses

 Use wearing protective gloves

 UV-resistant

## Technical specifications

*Breaking load longitudinal (ASTM D 638): 40 N/mm<sup>2</sup>*

*Complete hardening (a 20°C): 7 day*

*Compressive strength (UNI 4279): 60 N/mm<sup>2</sup>*

*Flash-point: >100 °C*

*Hard to touch (a 20°C): 5-7 h*

*Hardness (ASTM D 2240 - Shore D): 78 \_*

*Maximum humidity of the support: >4 %*

*Mixing ratio of the components A:B: 100:50 \_*

*Viscosity (a 25°C): 470 mPa*

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## Tools cleansing

- Thinner for resins

## Applicable on

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

## Instructions for 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.

## Substrate preparation

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.

## Storage and preservation

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.



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## Warnings, Precautions and Ecology

Technical and performance data outlined in this document are the result of laboratory testing conducted in a conditioned environment, as such they can result as considerably changed from operating and application conditions. The need follows to carry out preliminary tests in actual use conditions.

The user is required to check the product's most recent Material Safety Data Sheet, reporting physical-chemical and toxicological data, risk phrases and other useful information on how to safely transport, use and dispose of the product and its packaging. It is also reminded that the product and its packaging must not be dispersed in the environment for any reason.

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.

*SYNTECH POLIUREA PRIMER is produced/distributed by*



Via Giovanni Gentile, 16/A - 46044 Goito (MN), Italy  
info@azichem.com Tel. +39 0376.604185 /604365 Fax +39 0376 604398



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