

# Syntech Primer EP-S

Epoxy primer impregnating and consolidating, in solvent



Syntech Primer EP-S is a two-component solvent-based epoxy resin, specifically formulated for the impregnation and consolidation of medium-porous substrates, including wet ones. It is applied on cement conglomerates, stone materials, wood, etc. preliminary to epoxy, polyurethane and methacrylic cycles.

**CUSTOMS CODE:** 3907 3000

**COMPONENTS:** Two-components

**APPEARANCE:** Liquid + Liquid

**AVAILABLE COLORS:** Amber

**PACKAGING AND DIMENSIONS:** Can 2.5 kg [A] - Can 5 kg [A] - Can 2.5 kg [B] - Can 5 kg [B] - Kit: 1 Can 2.5 kg [A] + 1 Can 2.5 kg [B] - Kit: 1 Can 5 kg [A] + 1 Can 5 kg [B]

## FIELDS OF APPLICATION

Syntech Primer EP-S is used as an adhesion promoter on porous substrates in concrete, stones, etc. for: epoxy, polyurethane and methacrylic paint cycles; epoxy, polyurethane and methacrylic flooring; surface consolidation of porous supports; consolidation and waterproofing of external flooring; dustproof treatment.

## ALLOWED SUPPORTS

Concrete - Wood - Natural stones

## PREPARATION OF SUPPORTS

The support on which the epoxy, polyurethane or methacrylic system is to be laid must be suitable for withstanding the stresses resulting from the intended use, such as static or dynamic loads, impacts, thermo-hygrometric expansion, vibrations etc. As regards the characteristics of the substrate (maximum humidity, cohesion, strength class, flatness, etc.) and the preparation of the surface that will accommodate the resin system, we recommend the requirements set out in chapter 5 of the UNI 10966 standard ("RESIN SYSTEMS FOR SURFACES HORIZONTAL AND VERTICAL - INSTRUCTIONS FOR DESIGN AND APPLICATION "). In any case, carefully clean and degrease the surfaces, removing any kind of dirt, paint residues or incoherent parts. The humidity of the support must be  $\leq 4\%$ . Evaluate the most convenient type of mechanical preparation (shot peening, sandblasting, hydro-washing, etc.). The surfaces must also be free from discontinuity, and possibly leveled and regularized with products from the FLOOR line or the REPAR line or grouted with Syntech AS 21. In the event of the presence (even suspected) of humidity deriving from capillary rising from the substrate, it is recommended to apply the Syntech Pavidamp epoxy resin for "wet bottoms" beforehand. Tiled floors, or floors covered with pre-existing resin, must be subjected to mechanical roughening carried out with shot blasting, milling, bush hammering, etc., until the total elimination of the waterproof crust and the opacification of the surfaces. Remove dust after abrasion.



## MODE OF USE

Mix the components each in their own container before mixing. Pour component B into component A and mix for 3 ÷ 5 minutes with a drill and disperser at low speed. Avoid taking partial quantities from the packaging to avoid any errors in the ratio that would cause incorrect hardening. Syntech Primer EP-S can be applied by brush or roller. On particularly absorbent surfaces, apply Syntech Primer EP-S in 2 coats.

## APPLICATION METHODS

Brick trowel - Spatula

## TOOL CLEANING

Thinner for resins

## KEY FEATURES

- |                                                                                                                  |                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  Density: 0.9 ± 0.05 kg/l        |  Pot-life: 90 min               |
|  Shelf-life: 12 months           |  Solvent-based product          |
|  Temperature of use: +5 / +30 °C |  Use wearing protective glasses |
|  Use wearing protective gloves   |                                                                                                                  |

## TECHNICAL SPECIFICATIONS

UNI EN ISO 2811  
0.90 ± 0.05 kg/l

Sd EN 1062-6  
Permeability to CO<sub>2</sub> > 50 m

UNI EN 1542  
Adhesion by direct traction **PASS**

Sd UNI EN ISO 7783-1 / 2  
Permeability to water vapor > 50 m

UNI EN ISO 3219  
Viscosity ~ **25 mPas**

W UNI EN 1062-3  
Capillary absorption < **0.1**

+20 °C  
Complete hardening at 20°C **24 h**

Dry residue **40 %**

## CONSUMPTION

Approximately 350 ÷ 400 g / m<sup>2</sup> of Syntech Primer EP-S per coat, depending on the porosity and irregularities of the substrate

## STORAGE AND CONSERVATION

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. Opened containers must be used immediately.



## PHOTO GALLERY



## SPECIFICATION ITEM



## WARNINGS AND PRECAUTIONS

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.

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