

# Syntech Primer EP-W

Solvent-free two-component epoxy primer for cement surfaces



Syntech Primer EP-W is a solvent-free two-component epoxy resin to be used as a bonding primer for applying all epoxy cycles on concrete surfaces and concrete conglomerates in general. Syntech Primer EP-W is formulated to achieve an elevated impregnation, consolidation and adhesion effect of the substrate. It can also be used on wet surfaces. Syntech Primer EP-W even penetrates deep into compact surfaces, effectively consolidating the support. It also has a great resistance to water and aggressive solutions whilst allowing water vapour to pass through.

**CUSTOMS CODE:** 3907 3000

**COMPONENTS:** Two-components

**APPEARANCE:** Liquid + Liquid

**AVAILABLE COLORS:** Amber

**PACKAGING AND DIMENSIONS:** Can 10 kg [A] - Can 5 kg [A] - Can 5 kg [B] - Can 2.5 kg [B] - Kit: 1 Can 10 kg [A] + 1 Can 5 kg [B] - Kit: 1 Can 5 kg [A] + 1 Can 2.5 kg [B]

## OBTAINED CERTIFICATIONS AND REGULATIONS



## FIELDS OF APPLICATION

Promotes adhesion for epoxy coatings as well as for porous and deteriorated substrates, along with acting as a cement and concrete consolidation agent.

## ALLOWED SUPPORTS

Concrete - Bricks - Tiles - Floor screed - Porphyry and 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 two components, each in its own container, before combining. Pour component B into component A and mix for 3 to 5 minutes with a low-speed mixing drill to achieve the complete homogenisation of the mixture. The protective coating can be applied once the Syntech Primer EP-W is completely dry.

## APPLICATION METHODS

Paint roller - Spatula - Straight edge

## TOOL CLEANING

Thinner for resins

## KEY FEATURES

 Density: 1.05 kg/l	<b>A:B</b> Mixing ratio: 2:1
 Pot-life: (20°C) 30 min	 Shelf-life: 12 months
 Solvent-free	 Temperature of use: +10 / +35 °C
 Use wearing protective glasses	 Use wearing protective gloves

## TECHNICAL SPECIFICATIONS

< 500 g/l

EN 13892-8

Bonding force **Classe B2.0 > 4 N/mm<sup>2</sup>**

EN 13892-3

Wear resistance **AR0.5**

EN 13501-1

Reaction to fire **Euroclass F**

Complete hardening at 20°C **7 day**

Touch hardening at 20°C **4 - 6 h**

Dry residue **99.5 %**

Brookfield *ASTM D 2196*

Viscosity **600 ± 200 mPas**

## CONSUMPTION

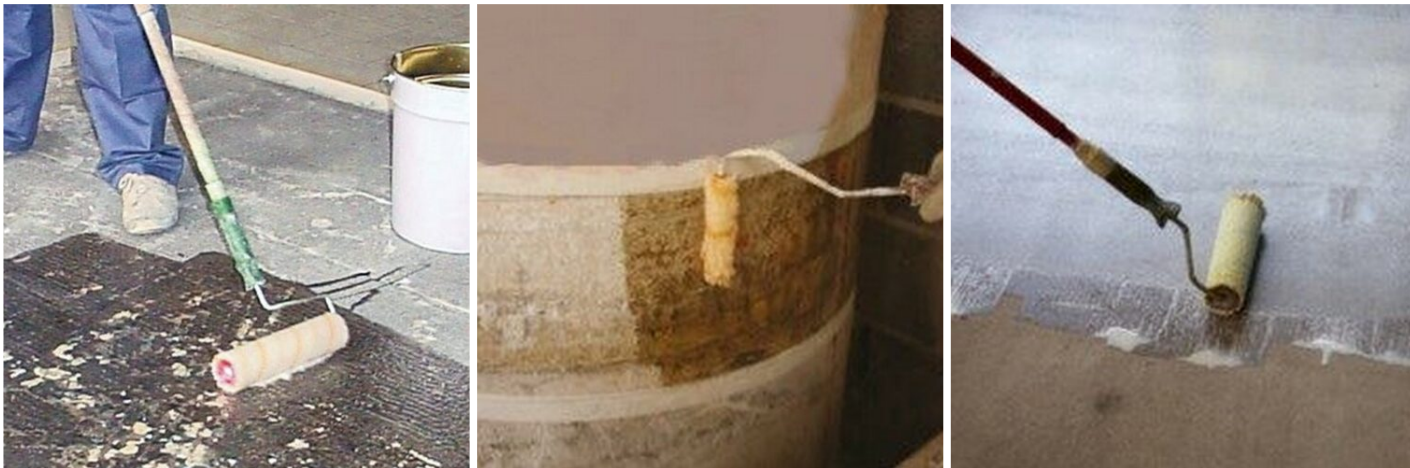
Use 150 to 200 grams per square metre per coat, depending on the porosity and unevenness of the support.

## STORAGE AND CONSERVATION

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Opened containers must be used immediately. Protect from humidity. Store the product at a temperature between +10°C and +30°C.



## PHOTO GALLERY



## ADDITIONAL CONTENT



## 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.

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.

