



SYN.0360

SYNTECH PRIMER EP-W

Solvent-free two-component
epoxy primer for cement surfaces

Customs Code

3907 3000

Packaging

- Can 6 kg [A]
- Pail 10 kg [A]
- Can 3 kg [B]
- Pail 5 kg [B]
- Kit: 1 Can 6 kg [A] + 1 Can 3 kg [B]
- Kit: 1 Pail 10 kg [A] + 1 Pail 5 kg [B]

Application

- Brush
- Paint roller



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Page: **1/3**

Family
Syntech

Product Lines
• Building
• Infratech
• Floor

Components
Two-components

Type
Epoxy and polyurethane primers, treatments and coatings

Functional Categories
• Fixing treatments to be applied before varnishing and coating
• Protective, strengthening, polyurethane or epoxy coatings

Appearance
Liquid + Liquid

Certifications and legislations



EN 1504-4

Products and systems for the protection and repair of concrete structures - Structural bonding

General description

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.


Dosage

Use 200 to 300 grams per square metre per coat, depending on the porosity and unevenness of the support.


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.

Basic features


 Dosage:
200 - 300 g/m²

A:B Mixing ratio:
100:50

 Pot-life:
50 min


 Shelf-life:
12 months


 Solvent-free

 Temperature of use:
+10 / +35 °C

 To be applied in two coats

 Use wearing protective glasses

 Use wearing protective gloves

 Available colours
Amber

Technical specifications

Determinazione della densità: 1.05 kg/l

Determinazione delle materie volatili (VOC): < 500 g/l

Bonding force EN 13892-8 : > 4 N/mm²

Complete hardening: 7 day

Fire resistance EN 13501-1: CLASS F₀

Hard to touch: 4 - 6 h

Time before second coat

Wear resistance EN 13892-3: AR0.5 %

Working temperature: -20 / +70 °C

Tools cleansing

- Thinner for resins

Applicable on

- Concrete
- Brickworks
- Tiles
- Floor screed
- Porphyry and natural stones

Substrate preparation

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.

Instructions for 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.

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. Opened containers must be used immediately. Protect from humidity. Store the product at a temperature between $+10^{\circ}\text{C}$ and $+30^{\circ}\text{C}$.



Warnings, Precautions and Ecology

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. 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.

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



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SYNTECH PRIMER EP-W is produced/distributed by



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Page: **3/3**