



EPOPRIMER

TWO-COMPONENT EPOXY WATERPROOFING AND SEALANT TREATMENT FOR CEMENT SUBSTRATES

FOR PROFESSIONAL USE ONLY

CERTIFICATION:



DESCRIPTION AND USAGE:

Odourless water-less and solvent-less epoxy resin based two-component primer without any plasticizer, for waterproofing unheated cement substrates with a residual humidity up to 3% in just one coat (using at least 400 g/m²), or with a residual humidity up to 5% CM in two coats (using at least 600 g/m² in total). When diluted by 10% with PROMOX, this product is an excellent sealant and dustproofing treatment for dry cement substrates with or without underfloor heating (see Other Information), surfaces subject to high foot traffic or substrates with poor cohesion and compactness. Suitable for insulating floor slabs in anhydrite cement, magnesite and wood prior to subsequent application of cement-based screed. May be mixed with sand to prepare extremely high performance synthetic mortars for screeds and repairs. Once the applied product has dried, other materials may be adhered directly to the surface using only polyurethane and/or epoxy based products. EPOPRIMER is a low VOC content product classified as EC1R by the German certification organisation GEV.

PRODUCT CHARACTERISTICS:

Appearance:	Thick, straw yellow liquid
Chemical base:	Epoxy resin and amine hardeners
Catalyst ratio:	2 parts Comp. A; 1 part Comp. B
Pot life:	approx. 40 min
Dilution:	with PROMOX
Dilution ratio:	Up to approx. 10%
Application:	fleece roller or brush
Yield on dry heated substrates:	as dustproofing treatment: approx. 100 g/m², diluted with 10% Promox; as sealant: approx. 100 g/m² diluted by 10% with Promox;
Yield on absorbent substrates:	as dustproofing treatment: approx. 150-200 g/m² diluted by 10% with Promox; as sealant: approx. 200-400 g/m² diluted by 10% with Promox; as waterproofing treatment: approx. 400-500 g/m² in 1 coat up to 3% CM approx. 600 g/m² in 2 coats up to 5% CM
Application temperature:	from +10°C to +30°C
Time between coats:	6-12 hours
Curing time:	approx. 24 hours (depending on ambient conditions)
Final curing time:	6-8 days
Storage temperature:	from +5°C to +25°C
Shelf life:	12 months in original, unopened containers
Cleaning:	with SOLVENTE CH 500 thinner while product is still fresh
Usage:	indoor
Suitable for heated underfloors:	YES used as dustproofing treatment or sealant only
Suitable for wheelchairs:	YES
Safety instructions:	See safety data sheets.
Packaging:	5 Kg drum (comp. A) + 2.5 Kg drum (comp. B)

USAGE: The substrate must be clean, absorbent and free of cracks. If necessary, seal any cracks with SIGEPOX before application. In the case of substrates with a dense, poorly absorbent surface crust and a much more friable, absorbent underlying layer, sand or roughen the surface before application to improve penetration of the product. Not suitable for application on existing ceramic flooring or on glazed or vitrified surfaces. In these cases, we recommend using TRIX. Mix the two components thoroughly with an electric mixer to obtain a uniform mixture.

Dustproofing or sealant treatment: apply one or two coats uniformly with a roller or brush, diluting the product by up to approximately 10% with PROMOX in relation to the absorbency of the substrate.

Waterproofing treatment in case of residual humidity: the substrate must consist of non moisture-sensitive materials. Apply a first coat of product with a roller or brush, diluting the product by 5-10% with PROMOX in relation to the absorbency of the substrate, to act as an impregnating and anchoring primer for subsequent coats. As soon as the surface is trafficable, apply a second and, if deemed necessary, third coat of EPOPRIMER to completely saturate the surface porosity of the material, without leaving more than 12 hours between coats. Do not exceed the quantities specified.

For preparing synthetic mortars: mix EPOPRIMER with dry silica sand with a suitable grain size (0.5-1 mm) to obtain a self-levelling or thixotropic mortar. Indicatively, to prepare an excellent quality synthetic self-levelling mortar, mix one pack (7.5 Kg) of EPOPRIMER, diluted with one pack (1 Kg) of PROMOX, and mix with an equal quantity by weight (8.5 Kg) of dry silica sand with a grain size of 0.5 – 1 mm. The EPOPRIMER-sand ratio may be increased to up to 1:5/1:6. This, naturally, will reduce the self-levelling properties of the mortar. The resulting mixture may be used to quickly repair holes, cracks and differences in level. Before performing the repair, we recommend applying a coat of diluted EPOPRIMER to the area.

OTHER INFORMATION: Applying EPOPRIMER at low ambient temperatures may significantly increase the minimum time between coats, final curing times and film characteristics. The product cannot be applied on ceramic floors or glazed surfaces, where TRIX must be used instead. Once hardened, the product can only be removed by mechanical means. The efficacy of any waterproofing treatment for substrates subject to constant damp due to positive hydrostatic pressure cannot be guaranteed. Before subsequent adhering of other material or screeds, check that the EPOPRIMER applied previously has hardened completely. Not suitable for waterproofing heated underfloors. EPOPRIMER may be used to apply sealant or dustproofing treatments to dry substrates with heating provided that no more than 100 g/m² of product is used. Due to this, we recommend applying a short fibre roller and diluting the product with approximately 10% of PROMOX thinner. To ensure optimum adhesion when adhering other material directly to the surface using epoxy or polyurethane two-component adhesives, this must be done within 36-48 hours of application. In the event of longer times after application, we recommend sprinkling dry sand of a suitable grain size (0.5-1 mm) onto the final coat of EPOPRIMER, and then removing the sand. In case of subsequent application of cement screed, the final coat must be generously sprinkled with dry silica sand with a suitable grain size (0.5-1 mm) while the product is still wet. Once the product has dried and all loose sand has been removed, the screed may be applied, onto which the flooring may subsequently be adhered. Alternatively, use ECOGRIP PLUS or ECOGRIP. the screed must be at least 3 mm thick when laying wooden flooring and 2 mm thick for laying elastic flooring. The drying times indicated in the product characteristics are for an ambient temperature of 20°C and a relative air humidity of 50%. In addition to the indications given in this product data sheet, always follow the application instructions provided by the manufacturers of the individual products used.

INSTRUCTIONS FOR SAFETY AND DISPOSAL: Read the relative product safety data sheet before use. Protect the hands and eyes during use. Ventilate the area adequately during and after use. Observe applicable safety regulations. Do not dispose of residual product on soil, in surface water or in drains. When disposing of the product and other waste produced during usage, comply with the terms of Italian Law Decree 152/2006 and subsequent modifications (Unified Environmental Law). For more information, contact our technical support service. The contents of this sheet replace and supersede the contents of the previous edition.

NOTE: The information given herein is based on our extensive theoretical and practical knowledge. However, as it is impossible to go into exhaustive detail, the contents of this sheet are not binding in nature. Please contact our technical service in case of any doubt.