

Product description

Uniconnect extreme is a special solvent-free 2K epoxy primer and blocking primer against highly increased moisture content in the substrate. It offers ideal bonding conditions for further coats in EP and PU flooring systems.

Application areas

Suitable as a primer coat on metallic, cement and anhydrite bonded substrates as well as a blocking primer against highly increased moisture content in the substrate. Uniconnect extreme is especially suitable for the following intended use:

- for a blocking primer against highly increased moisture content in the substrate (>5.0 % CM) applied directly onto previously prepared, a bit matte damp and cleaned concrete in combination with EP and PU flooring systems
- for a blocking primer against highly increased moisture content in the substrate (>5.0 % CM) in combination with cement screeds and polymer-cement compounds
- for metallic substrates

Visual appearance

- Glossy

Properties / advantages

- Solvent-free
- Suitable for matte damp substrates
- Easy to apply
- Ensures very good bonding
- Universal application

Product data

Colour	Transparent yellowish
Packaging	Kit: 15 kg A = 9.375 kg B = 5.625 kg
Layer thickness	Approx. 100 – 500 µm
Storage	12 months in the originally sealed and undamaged packaging. Store in a frost-free location.
Frost resistance of the final product	Yes (higher temperature changes in short periods must be avoided, though)

Technical data

Density A + B	Approx. 1.09 kg/dm ³
Mixing ratio	62.5 weight parts of the component A 37.5 weight parts of the component B
Dry substance content	100%
Consumption	Approx. 250 - 500 g/m ² , depending on the substrate and application
Pot life	Approx. 35 minutes*
Setting time	Dust-dry: approx. after 8 hours* Set to foot traffic: approx. after 16 hours* Further treatment / further coats: approx. after 16 to maximum 24 hours*

*At 20 °C, 65 % rel. air hum.

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Substrate quality

The substrate must be firm, reasonably load-bearing and must provide adequate adhesion. Also it must be free of grease, oil and loose components. It should be without any layers or components that may diminish adhesion. (Compressive strength at least 25 MPa (N/mm²), average tensile strength > 1.5 MPa (N/mm²), minimum single value > 1.0 MPa (N/mm²)).

Cement substrates can be matte damp (> 5.0 % CM).

Substrate preparation

Remove loose components, layers and impurities mechanically with appropriate tools (i. e. blasting, milling, grinding). Afterwards remove dust thoroughly with an industrial vacuum cleaner.

Metallic substrates need to be prepared according to the SA standard 2 1/2.

Larger repairs and filling of indentations, cavities and other uneven areas must be carried out with the epoxy mortar, prepared using the 2K epoxy resin Uniconnect extreme and the quartz sand.

Application conditions

Minimum substrate temperature: +10 °C and +3 °C over the dew point. Room temperature / installation temperature:

- > min.: +15 °C
- > max.: +30 °C
- > ideal temperature: +20 °C

In general, higher temperatures shorten the pot life, whereas lower temperatures prolong the setting time.

Maximum relative air humidity: 90 %

IMPORTANT: Allow both components for at least 24 hours to get acclimatised to the work environment.

Application instructions

As primer: Mix together the both components well for approx. 3 minutes with an electrical mixer and appropriate agitator rod/stirrer (at a speed of approx. 300 to 400 1/min). Then transfer the contents into a clean container and mix again thoroughly for approx. 1 minute. Apply the primer onto the substrate evenly in a closed layer. For application use a nylon roller or a brush. Make sure that the primer is rubbed into the substrate well and that all the substrate pores are closed.

As blocking primer against increased moisture content: First layer: Apply richly onto the surface, consumption approx. 350 - 500 g/m². Second layer: Apply onto the first cured layer – consumption approx. 250 - 350 g/m² – within time limits defined for further coats and work phases. Quartz sand dry shake depends on the requirements of the whole system composition. In case UZIN polymer-cement compounds and UZIN cement screeds are used for further coats, please consult our Technical Support Service regarding the recommended layer structure.

Safety information:

Safety information on the label of the product in consideration must be observed.

Tool cleaning

Clean the tools and equipment immediately after use. Fully cured material can be removed only mechanically.

Data source

All the technical information, measurements and other data listed in this technical data sheet are based on our laboratory examinations, analyses and tests. Due to working conditions which cannot be individually influenced or checked by us the actual data can differ from the declared values.

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Product Information

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Important legal information

Information provided in this technical data sheet concerning processing and application of the product is based on our previous experience and careful analyses of the product – depending on appropriate storing conditions, handling and application of the product under normal conditions and for the usual intended use – and applies for the product in the supplied form. The user must seek our approval before any use of the product which differs from the usual intended use, otherwise the user shall use the product at his own risk. Due to the wide variety of equipment, substrates and application conditions in the field we cannot guarantee specific application results on the basis of any written recommendations or other kind of advice. Also we cannot assume any liability arising from contractual relationships, except where we have wilfully or through negligence provoked a claim. In this case the user must submit to us all necessary information in writing without any further delay for a proper and effective evaluation of circumstances.

The user is expected to test the product beforehand and to check whether the chosen product is suitable for the intended use concerned. Product data provided in the technical information on the product are subject to change. The product information in this product data sheet is not considered binding (as contractually agreed quality and properties) and may be changed at any time without consent of the user. The user is obliged to observe the intellectual property rights of the third parties, property right and other applicable regulations.

The user should always consult the newest edition of the technical information for this product, which can be downloaded from our website or we can send to the user on request. With this technical data sheet all previous editions concerning this product become invalid. With this technical data sheet the manufacturer does not enter into obligations of any kind. The user is obliged to observe our general terms and conditions of business as well as sales and delivery conditions.

Safety-at-work and occupational health

Solvent free. Non-inflammable.

Component A: Contains products of bisphenol A epichlorohydrin resin with average molecular weight ≤ 700 , product of glycidyl ester and styrene phenol. / Xi Irritant; N Dangerous for the environment /.

Component B: The curing agent contains amine components / C Corrosive, N Dangerous for the environment /.

The product is classified and marked in accordance with the EU Directives and regulations for hazardous substances.

Avoid any contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, take off immediately all contaminated clothing and wash contaminated skin immediately with plenty of water and soap. Wear suitable gloves and eye / face protection. In case of accident or if you feel unwell seek medical advice immediately.

In the liquid condition avoid emptying the product into drains, open water or into the soil. Please, observe as well, amongst others: / European and national directives and regulations on hazardous substances / Safety recommendations on labels of product packaging / Safety data sheet / Information and instructions for the product group by the German association BG Bau for GISCODE RE 1 / Guidelines for epoxy resins in the construction industry by the German construction industry trade association (BG Bau) /. When fully cured the product is odour-neutral, physiologically and ecologically safe.

Disposal

Do not dispose of into the sewer system, open water or the soil. Emptied packaging can be disposed of into the system of a Waste management service provider Slopak. The waste recycling centres Slopak are located throughout Slovenia. For addresses please check their web site www.slopak.si. For additional information on disposal please contact Slopak directly. Packaging with non-cured residues as well as collected liquid product residues are special waste. Therefore collect product residues, mix the components and allow to harden. Fully cured products residues are construction waste.

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