



COELAN Primer EP Plus

Technical Data Sheet

(Issue: 2023-03-14)

Application areas:

Rapidly reworkable primer for mineral substrates metal and wood, used on interior or exterior areas.

Material can be filled with KEMCO FL Special Filler filled as a scratch and equalizing filler.

Colour / Gloss:

- transparent blue

Product features:

- fast hardening
- solvent-free
- almost odourless
- high adhesiveness
- system-relevant filler materials can be added
- 2-component
- Based on: Epoxy resin

Container size:

5 kg working pack

Material consumption:

- at least 300 g/m² (depending on the absorbency of the substrate)
- at least 150 g/m² as adhesive layer for spatula-coverings in the upstand area

Shelf Life:

Use by: 24 month

Store in closed original containers in dry rooms at temperatures between +5°C and +25°C. Direct sunlight and frost should be avoided! To achieve the best results, it is recommended to store the material at room temperature for approx. 24 hours prior to use. Opened containers should be closed air tight and used as soon as possible.

Curing:

- rain-resistant after approx. 3 h
- after approx. 4 h resilient enough to carefully walk and work on

Measured at +23°C and 50 % rel. humidity. Lower temperatures and lower humidity will extend the curing time, while higher temperatures and higher humidity will accelerate the curing time.

Application time:

- approx. 20 min

Mixing ration:

- 2,33:1 (proportion of weight comp. A : comp. B)

Skin forming time:

approx. 20 min.

Specific gravity:

approx. 1.12 g/cm³ (mixed density)

GISCODE:

RE1

Disposal

Disposal when liquid:

EAK 08 04 09

Disposal when cured:

EAK 17 02 03

Substrate:

- The surface must be clean, dry, level, load-bearing, firm and absorbent. Any surface soiling (e.g. oil, grease, dust, loose parts, rubber abrasion, silicone), residues of old coatings, after-treatment films, sintered layers, cement slurries and other less resistant layers must be removed. After cleaning the substrate, vacuum the surface with an industrial vacuum cleaner.
- For mineral substrates, the surface strength (test of peel strength according to DIN EN ISO 7500-1 Supplement 1) must be at least 1.5 N/mm² on average, with the smallest individual value not falling below 1.0 N/mm². The floor unevenness must not exceed the measurement tolerance in building construction according to DIN 18202.
- The moisture content of the substrate must not exceed 5 CM %.
- Local voids in the substrate can be detected by tapping the area. If found, they must be removed.
- Cavities, holes and cracks must be closed, and the profile of broken corners and/or edges must be reshaped. To do this, a levelling compound or EP plaster are most suitable.



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- The recommendation for cleaning ceramic tile, metal or glass substrates is to use KEMCO MEK Cleaning Agent (see corresponding technical information sheet).

Tool cleaning:

COELAN Universal Cleaner

Application temperature:

Material, atmospheric and surface temperature: at least +5°C to max. +30°C.

Relative humidity: < 80 %

The substrate temperature must be at least 3 K above dew-point temperature.

Application Instructions:

- Stir Comp. A and add comp. B in the proper mixing ration to comp. A.
- Using a slow running agitator (max. 300 RPM), mix the compounds rigorously for at least 2 min.. Subsequently, pour into a clean container and mix again for at least 2 minutes.
- Work the material into the substrate quickly and thoroughly with a Perlon roller until the pores are closed.
- In order to avoid a premature chemical reaction, it is recommended to pour the product onto the substrate and distribute it, moving the roller back and forth.
- For use in outdoor areas with subsequent waterproofing and coating, the surface must be primed until all the pores are closed off and then scattered with KEMCO NQ 0408 Natural Quartz over the whole surface (leaving no gaps) (consumption approx. 2 kg/m²).

As levelling and equalisation compound:

- Add KEMCO FL Special Filler to the finished mixture in a ratio of 1:1.5 or 1:3 by weight.
- Mix both materials rigorously, pour into another container and mix again thoroughly.
- Pour mixture onto the substrate, use a square notch trowel or a smoothing trowel and distribute the material evenly; if necessary, aerate with a spiked roller.
- For very absorbing surfaces or very porous areas it is recommended to prepare the surface with a primer.

As adhesive layer for spatula-coverings in the upstand area:

- Add 8 % of COELAN Thixotropic Agent (see corresponding technical information sheet) to the finished mixture and stir it in carefully.
- Apply a thin adhesive layer of the mixture on vertical areas.

- Important: Ensure that the adhesive layer is applied thinly and completely revised with the stopper.

Use as protection against alkalinity:

- To protect the COELAN waterproofing against alkaline media apply a coat of COELAN Primer EP Plus (consumption approx. 0.4 to 0.6 kg/m²). Scatter KEMCO NQ 0712 Natural Quartz over the entire, still wet layer leaving no gaps (consumption approx. 0.5 to 1 kg/m²).

During and after the application, please ensure even and continuous ventilation in order to guarantee a uniform drying process.

Always wear personal protective equipment during application.

Important notice

From a physiological point, the properly prepared coating of this liquid seal is totally harmless in its hardened condition.

Hazard notes, protective measures, hazardous material classes and disposal can be found in the safety data sheet of this product.

Based on our experience and to the best of our knowledge, this technical data is up to date and all information is current. As there might be operating conditions of which we have no knowledge and cannot have any knowledge, this data sheet shall be considered for information only and without responsibility. For the benefit of technical advances and the outcome of such advances, we reserve the right to make changes to the data without any prior notification. With the issuance of this publication, all prior technical information shall be considered null and void. When you contact us, you have the option to take advantage of our technical service consultants to find out about the various applications. Please be advised that all agreements and/or confirmations must be made in writing. Please ensure to request a written confirmation after receiving a verbal statement. For the rest, our terms and payment conditions apply.