



COELASTIC EVO

Technical Data Sheet

(Issue: 2023-03-14)

Application areas:

As seamless sealant in combination with COELAN Poly Non-Woven-Material for surfaces, training of connections and penetrations on e.g. balconies, terraces and flat roofs. Suitable on almost all substrates (see substrate for details).

Colour / Gloss:

- light grey / matt

Product features:

- ready to use
- flexible
- cracks can be easily bridged
- water vapour diffusion
- UV- and weather-resistant
- root resistant
- European Technical Assessment ETA - 03 | 0059
- fire classification E
- resistant according to DIN EN 13501-5 Class Roof (t1) - conforming with DIN 4102-7 | B2 - resisting flying sparks and radiating heat
- walk able for maintenance purposes
- 1-component
- Based on: Polyurethane resin

Container size:

7 kg bucket

15 kg bucket

Material consumption:

- at least 3.4 kg/m²

Shelf Life:

Use by: 9 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:

- Rainproof after approx. 60 min
- after approx. 24 h resilient enough to carefully walk on
- after approx. 2 - 3 d normal loads can be applied
- after approx. 3 - 7 d full loads can be applied
- after 3 d resilient enough to work on with polyurethane-systems (PU-systems)
- after 7 d resilient enough to work on with epoxy-systems (EP-systems)

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. 30 min

Mixing ration:

- ready to use

Skin forming time:

approx. 30 min.

Specific gravity:

approx. 1.5 g/cm³

GISCODE:

PU50

Disposal

Disposal when liquid:

EAK 08 05 01

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.
- Please follow the priming instruction:
 - Bituminous sheet: KEMCO 1K Primer
 - split bituminous sheet KEMCO 1K Primer
 - Flexible synthetic sheeting: COELAN Flexo Primer
 - Concrete / screed: COELAN Primer EP Plus or KEMCO 1K Primer
 - Metal: COELAN Primer EP Plus or KEMCO 1K Primer
- When coating a COELAN Coating that has already cured, COELAN Flexo Primer must be used.
- For further information on substrate pre-treatment and application, please refer to the separate technical data sheets and the application instructions.

Tool cleaning:

KEMCO MEK Cleaning Agent

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 material thoroughly before use: For reasons of storage stability, the material in the container is provided with a special protective coating on the surface. This protective layer must be thoroughly stirred in before use.
- Lay out approx. 2/3 of the material in strips, spread out roughly with a lambswool roller and work in COELAN Poly Non-Woven-Material carefully, avoiding air bubbles, folds or creases and ensuring 5 cm overlaps.
- While the coating is still wet, use the remaining 1/3 of the product until the surface is completely saturated.
- Connections to doors and window components must be raised > 15 cm (from the upper edge of the water-bearing level) or must be created with an overlap of at least 5 cm.
- Connections to waterproofing membranes must be made with an overlap of at least 10 cm.
- Layer thicknesses in accordance with rules for roofs with sealant or normative specifications must be observed.
- For use as a sealant, e.g. under subsequent tiling, adequate alkali protection must be provided when using cement-based products (e.g. tile adhesives). For this purpose, at least 7 d old COELASTIC EVO sealant at least 400 g/m² COELAN Primer EP Plus is rolled and scattered with KEMCO NQ 0712 Natural Quartz .

Always wear personal protective equipment during application.

For additional information, please refer to the system product's respective Technical Data Sheets and work instructions.

Important notice

Before start you should close every window and stop air-handling system.

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



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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.