



COEPLAN 2-K Poured Coating PLUS

Technical Data Sheet

(Issue: 2023-03-14)

Application areas:

Coloured coating for decorative and industrial interior flooring. Ideal for coating of poured asphalt. Can be used as unfilled, filled or coating with slip classification.

Colour / Gloss:

- soil orange / silk-gloss
- glow red / silk-gloss
- wine red / silk-gloss
- ice grey/ silk-gloss
- fog grey / silk-gloss
- rock grey / silk-gloss
- ivory beige / silk-gloss
- sahara beige / silk-gloss
- coffee brown / silk-gloss
- shell white / silk-gloss
- ocean green / silk-gloss
- deep-sea black / silk-gloss
- Note: Always supplied as a set with colour paste apart from ice grey and fog grey.

Product features:

- low solvent
- abrasion resistant
- good leveling property
- resistant to chemicals (inquire about details)
- high mechanical load capacity
- can be filled with KEMCO FL Special Filler
- 2-component
- Based on: Polyurethane resin

Package size:

8 kg pail (Comp. A)

2 kg pail (Comp. B)

Consumption:

- at least 1 kg/m² (roller coating)
- at least 1.14 kg + 860 g KEMCO FL Special Filler per m²/mm (filled coating)

Shelf Life:

Use by: 12 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 re-

sults, 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:

- after approx. 12 h resilient enough to carefully walk and work on
- after approx. 2 d normal loads can be applied
- after approx. 7 d full loads can be applied

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 ratio:

- 4:1 (proportion of weight comp. A : comp. B)

Skin forming time:

approx. 30 min.

Specific gravity:

approx. 1.40 g/cm³ (mixed density)

GISCODE:

PU40

Disposal

Disposal when liquid:

EAK 08 04 09

Disposal when cured:

EAK 17 02 03

Substrate:

- Prime the substrate with COELAN Primer EP Plus (see corresponding technical information sheet) until all pores are closed.
- Do not prime poured asphalt.

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:

- Carefully mix up component A, add pigment paste, if necessary and use a slow-turning agitator (max. 300 RPM). Mix rigorously for at least 2 minutes.
- Use the specified mixing ration and stir component B into component A, using a slow-turning agitator (max. 300 RPM). Mix rigorously for at least 2 minutes.
- Subsequently, pour into a clean container and mix again for approx. 2 minutes.
- Only mix as much material as can be processed within the work life of the product.
- Note: In order to be able to guarantee robust, single-colour, decorative surfaces with long-term scratch resistance, the recommendation is to apply a thin, transparent final sealant (e.g. COEPLAN 2-K Super Sealant).

Preparation as roll-on coating:

- For the mixed material as mentioned above, use a felt roller (e.g. mohair roller) to work with.
- In order to avoid a premature chemical reaction (caused by the trapped heat in the pail), it is recommended to pour the product onto the subsurface and distribute it, moving the roller back and forth.
- If coloured flakes are to be added to a uni-coloured coating, a transparent adhesive must be applied to the hardened coat and the coloured flakes must be strewn into the liquid adhesive. After the adhesive has dried, the coloured flakes must be sealed with a transparent sealant.

Preparation as coating with quartz sand:

- Add KEMCO FL Special Filler to the material mixed as described above and mix thoroughly for at least 2 min.
- Pour the mixture onto the subsurface and use a square notch trowel or a coating knife to spread the mixture to the recommended thickness of 2 - 3 mm (8 mm notched trowel).
- After approx. 10 minutes move a spiked roller in a double pass fashion twice across the coating in order to aerate the material.
- Spiked footwear can also be used on the freshly poured coating before a skin has been formed.
- If coloured flakes are to be added to a uni-coloured coating, a transparent adhesive must be applied to the hardened coat and the coloured flakes must be strewn into the liquid adhesive. After the adhesive

has dried, the coloured flakes must be sealed with a transparent sealant.

Processing a coating with slip classification:

- Roll a layer of adhesive with COEPLAN 2-K Poured Coating PLUS (approx. 200 g/m²) onto the coating suitable for foot traffic.
- In the fresh adhesive layer KEMCO Colorit quartzes in excess is spread (approx. 4 kg/m²).
- After drying, the excess and unbound KEMCO Colorit quartzes is swept off or eliminated by vacuuming.
- To achieve an R12 anti-slip surface: Apply COEPLAN 2-K Poured Coating PLUS to the surface as a final sealant (approx. 300 g/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.

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

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.

In order to preserve the coating for a long time, regular cleaning is strongly recommended. Generally, this can be done by simply wiping the surface with a damp cloth or using a neutral cleaning agent. Depending on the level of soiling, wax-based protective dispersions may also be necessary for initial treatment and maintenance cleaning. Cleaning agents containing solvents and chloride are unsuitable. For further information, please refer to the cleaning instructions for COELAN liquid plastics.

Please be advised that some media (e.g. rust, copper, petals, red wine, etc.) contain pigments or antioxidants (e.g. rubber wheels) that may cause permanent discoloration; however, they do not impair the protective function of the coating.

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 con-



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