



COELAN®

COEPLAN 2-K Poured Coating PLUS

Technical Data Sheet

(Issue: 2015-03-26)

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 / Degree of gloss:

- soil-orange / satin-gloss
- glow-red / satin-gloss
- wine-red / satin-gloss
- ice-grey / satin-gloss
- fog-grey / satin-gloss
- rock-grey / satin-gloss
- ivory-beige / satin-gloss
- sahara-beige / satin-gloss
- coffee-brown / satin-gloss
- shell white / satin-gloss
- ocean-green / satin-gloss
- deep-sea-black / satin-gloss
- Note: with the exception of the colours ice-grey and fog-grey, the colours are delivered as set with pigment paste.

Product features:

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

Package size:

8 kg pail (component A)

2 kg pail (component B)

Material consumption:

- approx. 1 kg/m² (coverage with roller)
- approx. 1,4 kg/m²/mm (without quartz sand)
- approx. 1 kg + 750 g COELAN® Special Filler per m²/mm (filled with quartz sand)

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 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:

- 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.

Mixing ration:

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

Skin forming time:

approx. 30 min.

Specific gravity:

approx. 1,40 g/cm³ (density of mixture)

GISCODE:

PU40

Disposal

Disposal when liquid:

EAK 08 04 09

Disposal when cured:

EAK 08 04 10

Substrate:

- Apply COELAN® Primer EP PLUS until all pores are properly covered with primer (please refer to the respective Technical Data Sheet).
- 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 assure high load capacity and long term scratch resistance for uni-coloured, decorative areas, we recommend a transparent thin sealing of these areas (e.g. with 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 to the mixed material as mentioned above COELAN® Special Filler and mix rigorously for at least 2 minutes.
- 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:

- Once the coating is hard enough to walk on, use a roller to spread a layer of adhesive COEPLAN 2-K Poured Coating PLUS (approx. 200 g/m²) on top of it.
- Use a generous amount of COELAN® Coloured Quartz and strew it into the fresh adhesive layer (approx. 4 kg/m²).

- Once the material is dry, brush or vacuum off any excess or loose COELAN® Coloured Quartz.
- If a slip classification of R11 / V6 is required: seal area with COEPLAN 2-K Poured Coating PLUS (approx. 500 g/m²).
- If a slip classification of R13 / V10 is required: seal area with COEPLAN 2-K Super Sealant glossy (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 degree of soiling, proper care and maintenance cleaning with waxes protective dispersions may be required. Cleaning agents containing solvents or chlorine are not to be used. For more 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 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.



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