eurocol

the strong connection

20-11-2026

916

EUROPLAN SAFE

Self-smoothing levelling compound, cement based, for stony subfloors, up to 20 mm.



PRODUCT TYPING

Base	Cement-based powder with additives.
Color	Grey.
Consistency	Powder.

- Self-levelling, low-stress setting, cement-bound levelling compound.
- For medium loads.
- For levelling mineral substrates, ceramic tiles, natural stone coverings, terrazzo and mastic asphalt.
- Can be used in layer thicknesses from 3 up to 20 mm, on mastic asphalt up to 3 mm.
- For subsequent floor covering work.
- Squeegeeable.
- The product can be used on underfloor heating and is suitable for use with chair castors in accordance with DIN EN 12529.
- For indoor use.
- Very low emission installation material, certiöed according to EMICODE EC 1 Plus

PROPERTIES

Bureau Wheelchair resistance	From 3 mm layer thickness.
Classification	CE: DIN EN 13813: CT-C20-F7.
Consumption	Approx. 1.5 kg/m^2 per mm layer thickness.
Flammability	Non-flammable.
Frost resistance	Yes.
Passableness	Approx 3 - 5 hours at (18 - 20) °C.*
Special quality	For use in residential and public areas. For floor coverings.

APPLICATION

For levelling cement-based and other stony subfloors in layers up to maximum 20 mm, which are to be covered with a floor covering.

PROCESSING

Layer thickness	Maximum 20 mm.
Storage	Store cool and dry.
Tools	Trowel
Mixing ratio	Add 25 kg to 5,25 - 5,5 litres of water.

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Processing time	Use within 30 minutes after mixing.*
Waiting time	Approx 3 minutes. Then stir again.
Drying	Approx. 48 hrs. by 3 mm layer thickness, for each additional 3 mm - another day of drying time is required.
Shelf Life	Approx 12 months, in unopened packaging.
Cleaner	Water.
Remarks	For layer thicknesses over 10 mm, on moisture-sensitive (e.g. calcium sulphate screeds) or unstable substrates, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used. For layer thicknesses over 10 mm, on screwed wood-based panels, Eurocol reactive primers, e.g. 042 Euroblock Turbo or 021 Euroblock Reno LE should be used. Technical information and safety data sheets of other laying materials and floorings/parquet must be observed! Apply flooring to the filled area within the next few days! For absorbent subfloors keep a minimum layer thickness of 2 mm, for non-absorbent subfloors a minimum layer thickness of 3 mm. In case of multi-layer application, the layer thickness of the second application must not exceed the layer thickness of the first application. After application of levelling compound. • Fresh surfaces should be protected against direct sun light, draughts, high temperature (above +30°C), rain and frost. • To obtain the recommended long term technical performance of product, after finishing levelling works installation of floor covering should be done within the shortest period of time, which depends on product's drying time within 3 to 7 days, otherwise the surface should be protected with a suitable coating or covering. Not suitable on floating dry screed elements or floating wood-based panels. The readiness for laying is dependent on the thickness of the layer and depends in particular on the climatic conditions on site. Wear protective glasses and gloves. If the adhesive or installation material comes into contact with your eyes, wash out immediately with plenty of water and consult an ophthalmologist. Protect your hands with waterproof, robust gloves. Wear long trousers. Avoid prolonged skin contact with the adhesive or installation material. Thoroughly clean affected skin parts with water immediately. The longer fresh adhesive or installation material remains on your skin, the greater the risk of serious skin damage. Keep children away from fresh adhesive or installation material. EMICODE, for more information visit www.emicode.com. Not suitable for laying parquet.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- The substrate must be permanently dry, resistant to pressure and tension, free from cracks and dust, even and free from layers that reduce adhesion.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures in accordance with the specifications of DIN 18365.
- Old fixed floors, such as ceramic tiles, terrazzo, stone floors, are to be professionally cleaned with Eurocol 891 Euroclean Basic and sanded matt after drying.
- A primer coat of Eurocol adapted to the substrate and the expected layer thickness of the leveling compound is to be pre-coated. Allow the applied primer to dry thoroughly.
- Cracks or joints (except structural expansion joints) must be closed with Eurocol Europlan 913 Silicate sealing compound.
- Appropriately dimensioned Eurocol edge strips are to be used for rising building components.
- Level out coarse unevenness in advance with stable filling compound. After complete drying, the surface must be primed again.
- In the event of defects, objections must be reported in writing.

Instruction manual:

- Mix the powder in the specified quantity (see technical data) with clean, cold water using an electric mixer to form a smooth, lump-free mass.
- It is recommended to keep a maturing time of 2 - 3 minutes.
- Avoid overwatering, as this leads to sedimentation and the formation of unstable surface layers. Drying is also delayed.

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- Apply the ready-mix with a smoothing trowel in one operation, within its working time, up to the target layer thickness, where possible.
- During the setting of the levelling compound, draughts and intensive sunlight must be avoided.
  This can lead to a too fast withdrawal of moisture, which "burns" the filler layer, pulverizes the surface edge zone and shrinkage cracks can occur.
- When laying on underfloor heating, the heating must be kept in operation for 3 days before, during and up to 7 days after laying with a surface temperature of 18 - 22°C.
- In the case of multi-layer levelling, apply an intermediate coat of completely set first levelling compound before applying the second, alternatively use a levelling compound suitable for the required thickness of the layer to be applied, in order to level in one operation.

Working conditions:
Required surrounding temperature: min. 18°C.
Material and subfloor temperature: min. 15°C.
Relative humidity: 35 - 75%, recommended <65%.

QUALITY AND GUARANTEE

ENVIRONMENT AND HEALTH

GISCODE	ZP1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Wear protective gloves and safety glasses! Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Material residues can be disposed of as household waste.
MSDS	For detailed information about the safety measures please refer to the safety information sheet on our website www.forbo-eurocol.de.

ITEM DATA

Article	Definition	Packaging	Shipping unit
916	Europlan Safe	paper bag à 25 kg	42/pallet

Any application method/ conditions other than specified in this Technical data sheet require explicit manufacturer's approval. In case of deviance in application method/ conditions liability by manufacturer cannot be guaranteed. This technical data sheet contains advice on handling and application of the product, based on experience and tests run by the manufacturer in laboratory and practical work. The information supplied by the manufacturer are non-binding and cannot be used as a basis for establishing the manufacturers liability for any damages caused. The values stated in this technical data sheet were measured under standard laboratory conditions. As application conditions outside the laboratory vary strongly this technical data sheet must be considered a guide only. Therefore the manufacturer does not take liability for damages caused by the customer's utilization of the technical data sheet content. As use, processing- and storage conditions on site are beyond manufacturers influence, a warranty for the processing result cannot be given. This also includes the infringement of any rights for the protection of third parties. Sufficient testing areas are to be provided before final application. Relevant national norms and regulations of the industry are to be observed. Outside Germany valid, relevant national norms and regulations, have to be taken into account and to be followed by the customer. It is the responsibility of the customer to check product suitability for the intended procedure and purposes prior to use.

This Technical Information supersedes all previously issued application data sheets and product information are no longer valid!

BG150916, Version 10, Stand 2023-12-15, ersetzt Ausgabe vom 2023-07-07

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