eurocol

the strong connection

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971

EUROPLAN DE RAPID

Hybrid Quick drying screed, ready mixture without sand, fast setting and layer thickness from 2 mm to 50 mm.

PRODUCT TYPING

Base	A water-mixed cement powder containing very high amounts of synthetic binders.
Color	Grey.
Consistency	Powder.

- Very high-quality, universal, low-stress setting, self-levelling, cement-bound levelling screed.
- For very high loads.
- For producing quickly usable and ready-to-install substrates.
- As composite levelling layer on mineral substrates, ceramic tiles, natural stone coverings, terrazzo, screwed wood-based panels (V100 P4 - P7, OSB 2 - 4).
- Can be used in layer thicknesses from 2 to 50 mm.
- For subsequent floor covering work and the laying of parquet.
- Pumpable.
- The product can be used on underfloor heating and is suitable for use with chair castors according to DIN EN 12529.
- For indoor use
- Very low emission laying material, certified according to EMICODE EC 1 Plus.

PROPERTIES

Bureau Wheelchair resistance	From 3 mm layer thickness.
Classification	CE: DIN EN 13813: CT-C50-F10-A1fl.
Consumption	Approx. 1.6 kg/m^2 per mm layer thickness.
Flammability	Non-flammable.
Frost resistance	Yes.
Passableness	2 - 3 hours at (18 - 20) °C.*
Special quality	Fast setting up to 5 cm layer thickness.

APPLICATION

For producing even and absorbent surfaces for floor covering work.

PROCESSING

Layer thickness	Maximum 50 mm.
Storage	Store cool and dry.
Tools	Trowel in combination with a spiked roller, mixing-device.
Mixing ratio	Add 25 kg of 971 Europlan DE Rapid to 5.5 litres of water.

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Processing time	Use within 30 minutes after mixing.*
Waiting time	Approx 3 minutes.
Drying	Approx 6 - 48 hours,. *
Shelf Life	Approx 6 Months, in unopened packaging.
Cleaner	Water.
Remarks	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! 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.

** 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 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.
- 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.
- When pumping, set the mixing device so that a correct quantity of cold and clean tap water is added. Determine the spread size! Rinse the machine and hoses also during breaks to prevent hardening within the machine system. Please consult your pump manufacturer.
- Avoid overwatering, as this leads to sedimentation and the formation of unstable surface layers. Drying is also delayed.
- Apply the ready-mix within the working time in one working step if possible until the desired layer thickness is achieved. By using a squeegee and a de-aeration broom, a smooth, even surface is obtained which usually does not need to be sanded.
- 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.

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

Textile coverings and parquet can be applied directly to the leveled area, provided they are even. Other floor coverings require a fine levelling with suitable Eurocol levelling compounds.

QUALITY AND GUARANTEE

ENVIRONMENT AND HEALTH

GISCODE	CP3 - Calcium sulphate and cementitious levelling compounds, calcium oxide content >3%.
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	Productname	Packaging	Shipping unit
971	Europlan DE Rapid	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!

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