eurocol

the strong connection

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910

EUROPLAN PU DUO

Two-component PU-based levelling compound, self-levelling top- and underlay coat, highly durable, for indoor and dry outdoor application.

PRODUCT TYPING

Base	PUR polymer wit isocyanat hardener.
Color	Gray.
Consistency	Thick liquid.

- Two-component, self-levelling, elasticized, heavy-duty special PUR floor levelling and repair compound for renovation and new construction.
- Ideal for the renovation of old substrates (old, even elastic adhesive residues, blocking odours from the substrate).
- Migration barrier on rubber granulate or cork-rubber insulation underlays.
- Suitable as subfloor for laying elastic floor coverings and parquet after dull sanding with Eurocol adhesives approved for this purpose.
- Can be used as a filling adhesive primer on mastic asphalt, metals.
- As a highly durable 2-component PUR coating for industrial and sports facility construction.
- Suitable
  - for filling cable ducts,
  - for filler work, also in the bathroom area (permanently dry substrate),
  - for permanently elastic subfloors in sports hall construction,
  - for putty work on glued elastomer/cork underlays,
  - can be used for crack repair on mastic asphalt,
  - for filling on fixed (also nubbed) elastomeric floorings (renovation).
- The floor levelling compound is suitable for forklift loading.
- Excellent adhesion on smooth surfaces, e.g. terrazzo, degreased metals, mastic asphalt.
- No crack formation.
- For interior and exterior use (permanently dry areas).
- Very low emission. EMICODE EC 1 Plus.

PROPERTIES

Consumption	approx. 1300 g/m^2/mm, depending on the substrate.
Flammability	Non-flammable.
Frost resistance	Yes.
Passableness	Approx 6 – 8 hrs.
Special quality	Highly durable special PU -filling and repairing compound.
Specific weight	1.45 kg/l (mixture)

APPLICATION

As levelling and repair compound.

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PROCESSING

Storage	Store cool and dry in unopened packaging between +5 °C and + 30 °C.
Tools	Trowel or notched squeegee in combination with a spiked roller, mixing-device.
Mixing ratio	100 parts by weight of component A 18 parts by weight of component B.
Curing	Approx 6 – 8 hrs.
Processing time	Use within 40 minutes after mixing.*
Shelf Life	Approx 18 months, in unopened packaging. Do not mix partial portions.
Cleaner	815 Euroclean HandClean, 358 ToolCleaner.
Remarks	Technical information and safety data sheets of other laying materials and floorings/parquet must be observed! Tools and equipment must be cleaned with the designated cleaner before the product hardens. It is also advisable to wear suitable gloves when working with the levelling compound, as the reaction components penetrate deep into the skin pores and are difficult to remove. Do not mix with other products, except for those that are expressly intended for this purpose. Recommended primers: Eurocol 042 Euroblock Turbo can be used without sanding Eurocol 021 Euroblock Reno LE, applicable with sanding Eurocol 028 Euroblock Rapid can be used with sanding Eurocol 015 Euroblock MS can be used with sanding

** 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/DIN 18356.
- 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.
- Mastic asphalt, degreased metal surfaces, wood-based panels, old parquet/ planks without impurities can be levelled directly.
- 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:

- Before use, temper the product according to the processing conditions.
- Empty the hardener component completely into the resin component and mix homogeneously with a suitable stirrer for approx. 5 minutes, also in the wall and bottom areas of the containers. Immediately decant into a clean container and mix again.
- The levelling compound is applied with a spatula, trowel or trowel. A smooth, even surface is achieved by using a squeegee of a spiked de-aeration roller.
- If a 2nd application is necessary, it can be applied after the first layer has hardened. In order to avoid adhesion problems, the first application layer, which has set tack-free, should be sanded matt.
- To fill deeper channels or slots, the compound can be extended with dry quartz sand Europlan Sand 846 or 847. The mixing ratio can be adjusted up to a putty-like consistency. However, the self-levelling properties are strongly limited by this.
- Similarly, mastic asphalt can be used to close cracks. Standard reinforcing clamps should be used and applied professionally. It is advantageous if the prepared mortar is applied to the freshly applied primer, consisting of 910 Europlan PU Duo, wet - in - wet. The flanks of adjoining screeds should also be primed.
- Before laying a covering, the filled surface must be sanded with grid grain 100 and then vacuumed.
  During the subsequent laying of floor coverings, care must be taken to ensure that there is no absorbent subfloor. This must be taken into account when selecting the adhesives and fixings to be used, especially with regard to their flash-off time. Please consult our application technology for this. Depending on the type of flooring, suitable Eurocol reaction adhesives are preferred.

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

The application must be carried out at a constant or falling temperature to prevent bubbles from forming due to warming air and its expansion in the substrate.
The surface must be protected from direct contact with water during the entire hardening phase.
Do not mix partial quantities!

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QUALITY AND GUARANTEE

ENVIRONMENT AND HEALTH

GISCODE	RU1
LEED	VOC 0 g/l, meets: IEQ Credit 4.1
DGNB	VOC 0 %, quality level: 4
Hazard Class	Hardener: Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155. Keep out of reach of children. Do not eat, drink or smoke while processing the product. Only give completely empty containers for recycling. Bound material residues can be disposed of as household waste. From 24.8.2023, training is mandatory for handling preparations containing isocyanates. https://isopa-aisbl.idloom.events/049-de
MSDS	For extensive information about safety and environment we refer to our website www.forbo-eurocol.de.
Substances causing allergy	Hardener: contains isocyanate. May cause allergic reactions.

ITEM DATA

Article	Productname	Packaging	Shipping unit
910	Europlan PU	PE combi pack à 9,72 kg	52/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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