eurocol

the strong connection

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924

EUROPLAN HYBRID

Self-leveling, low-tension, setting leveling compound for leveling cement- and anhydrite-based screeds, mastic asphalt (allow a maximum layer thickness of 5 mm for mastic asphalt), magnesite, wood-granite chipboard, or existing tile. Suitable for use under parquet floors, pumpable, and can be finished up to a 10 mm layer thickness after just 6 hours. Layer thickness: from 2 mm to a maximum of 20 mm. Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emissions), it is also suitable for BREEAM projects.



PRODUCT TYPING

Base	Anhydrate-Alpha-halfhydrate.
Color	Taupe.
Consistency	Powder.

- Fast-binding
- Tension-free
- Very high compressive strength
- Excellent levelling quality
- Pumpable
- Dust reduced
- Emicode EC 1PLUS (Very low emmision)
- Can be finished after just 6 hours for layers up to 10 mm thick
- Chromate-free
- Suitable for underfloor heating
- Maximum coating thickness 20 mm*
- Deklariert bei baubook, "ökologisches Bauprodukt".

PROPERTIES

Bending Strength	In accordance with NEN-EN 13892-2:: after 28 days ≥ 10 N/mm^2.
Bureau Wheelchair resistance	From 2 mm layer thickness.
Classification	CE: DIN EN 13813: CA-C50-F10. GEV-EMICODE EC 1PLUS (very low emission) tested according to EN 13999-2/4. Suitable for BREEAM projects.
Compressive strength	In accordance with NEN-EN 13892-2:: after 28 days ≥ 50 N/mm^2.
Consumption	Approx. 1.6 kg/m^2 per mm layer thickness.
Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	2 - 3 hours at (18 - 20) °C.*
Special quality	Quick to lay, shrink-free, dust-reduced.

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APPLICATION

For levelling in coatings from 2 tot 20 mm of cementitious and anhydrite-bound screeds, mastic asphalt (in case of mastic asphalt stick to max. thickness of coating 5 mm), magnesite, wood granite, chipboard or existing tiling.

In case of pumping:

First consult the pump manufacturer to check if the pump can be used for all types of levelling compound. Pumping with too high a mixing speed may affect the self-levelling quality of the product.

PROCESSING

Layer thickness	Maximum 20 mm.
Storage	Store cool and dry.
Tools	Trowel or squeegee combined with a spiked roller, mixing pump unit.
Mixing ratio	23 kg 924 Europlan Hybrid to 5 litres of water. 25 kg to 5,5 litres of water.
Processing time	Use within 30 minutes after mixing.*
Waiting time	Leave to mature for 2 to 3 minutes after mixing.
Drying	Layer thickness 2 - 10 mm 6 hours*, 11 - 20 mm 24 hours*.
Shelf Life	12 months, in unopened pack.
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. **) Observe the corresponding notes on dust reduction on the packaging. 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. When used under parquet, a minimum layer thickness of 3 mm must be observed. 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 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. For levelling work in connection with subsequent parquet adhesives using Eurocol 1K or 2K parquet adhesives, only use Eurocol 048 Europrimer Plus or reactive Eurocol primers.

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

Substrate:

- 924 Europlan Hybrid can be applied to any rigid, pressure-resistant and tensile stony subfloor. Furthermore, the subfloor must be clean, permanently dry, free of grease and dirt, in accordance with the requirements as laid down in DIN 18 365/DIN 18356.
- Adhesion-reducing layers, old material residues must be removed by suitable mechanical measures.
- Calcium sulphate-based subfloors (anhydrite) can be sanded, if necessary, and then be made dust-free using an industrial vacuum cleaner.
- 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.
- Prime absorbent cementitious thin and covered with 044 Europrimer Multi/044-1 Europrimer Multi Plus with a foam roller. Old (water-resistant) adhesive also needs to be primed in this way.
- Prime anhydrite subfloors with 043 Europrimer Alphy/044-1 Europrimer Multi Plus/070 Europrimer Fill. Use in all ways a fleece roller.
- Thoroughly remove any grease from smooth and sealed subfloors (tiled floors, granite, terrazzo etc.) with 014 Euroclean/891 Euroclean Basic. Remove the dirt and, after sufficient drying, apply a thin but covering coating of primer, using 044 Europrimer Multi/044-1 Europrimer Multi Plus/070 Europrime Fill, by means of a foam roller.
- Remove dirt and loose particles from asphalt floors and bituminous surfaces. Then prime the surface using 044 Europrimer Multi/044-1 Europrimer Multi Plus/070 Europrime Fill. With these types of subfloors use a maximum levelling thickness of 5 mm.
- First holes and damaged parts in anhydrite-based screeds must in be repaired with 944 Europlan Alphy Quick. Prime these spots with 043 Europrimer Alphy after they are fully dry. Repair holes and damaged parts in cementitious screeds with 945 Europlan Solid/940 Europlan Quick and prime with 044 Europrimer Multi/044-1 Europrimer Multi Plus/070 Europrime Fill after curing. Allow this to dry before the floor is levelled.
- Cracks/seams in the subfloor must be fixed with 021 Euroblock Reno LE in combination with 063 Eurotape or with 808 Eurojoint Connector possibly in combination with 846 Quartzsand. Alternatively with Europlan 913 Silicate sealing compound.
- Appropriately dimensioned Eurocol edge strips are to be used for rising building components.
- Always consult our technical product information sheets first. When doubt about the applications to be made, first contact our Technical Advice department.

Instruction manual:

- For the preparation of 924 Europlan Hybrid always use clean tools that are free of plaster/cement residue.
- For manual processing, add 23 kg of 924 Europlan Hybrid to 5.0 litres of cool and clean tap water. Add 25 kg of 924 Europlan Hybrid to 5.5 litres water.
- Using the Eurocol 855 Mixing rod, mix the mortar mechanically until you get a smooth and lump-free mixture.
- Leave the prepared mortar to mature for approx. ca. 2-3 minutes and then briefly mix the mortar at low speed.
- Apply the mortar to the floor within 30 minutes, using a trowel or a squeegee, in a coating of at least 2 mm thick. Immediately after the mortar has been applied, it must be rolled using a de-aerating roller.
- When pumping, set the mixing pump unit to add 5.0 litres of cool and clean tap water per 23 kg of 924 Europlan Hybrid. Add 25 kg of 924 Europlan Hybrid to 5.5 litres water.
- Newly applied coatings of levelling compound must be protected against drafts and heating due to direct sunlight.
- It is recommended not to sand or prime the dry levelling coating.
- If it is necessary to sand the applied levelling layer, after sanding, carefully clean the floor with an industrial vacuum cleaner. If necessary, prime the floor with suitable primer (for example 049 Europrimer ABS or 099 Dispersion primer) using a foam roller. Drying time approx. 1 hour.
- Under normal conditions, the applied leveling layer is walkable after 2-3 hours, and for a layer thickness of 2-10 mm, it is ready for laying after 6 hours. For a layer thickness of 11-20 mm, this is 24 hours.
- For detailed information about safety measures we refer to the safety data sheet on our website www.eurocol.nl.

Working conditions:
Required surrounding temperature : 18 - 23 °C.
Temperature for material and subfloor : min. 15° - max. 20 °C.
Relative humidity : 40 - 70%.

Underfloor heating::
924 Europlan Hybrid can be applied to underfloor heating. The start-up protocol of the underfloor heating must be fully executed in advance in accordance with the guidelines of the supplier. One day before levelling, turn the heating down or off; at least 24 hours after levelling, turn the heating back on, in steps of a maximum of 5 °C water temperature per day. Make sure that the floor temperature does not exceed 29 °C.

QUALITY AND GUARANTEE

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ENVIRONMENT AND HEALTH

GISCODE	CP3 - Calcium sulphate and cementitious levelling compounds, calcium oxide content >3%.
MSDS	: For extensive safety and environmental information, please refer to our website www.eurocol.nl.

ITEM DATA

Article	Definition	Packaging	EAN-code	
924	Europlan Hybrid	23 kg bag	8 710345 924009	42/pallet
924	Europlan Hybrid	25 kg bag		42/pallet (Made in Germany)

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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