eurocol

the strong connection

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970

EUROPLAN NIVOHYBRID



Self-leveling, very low-tension, setting leveling compound for thicker layers of cement- and anhydrite-based screeds, mastic asphalt (for mastic asphalt, maintain a maximum layer thickness of 5 mm), magnesite, wood-granite chipboard, or existing tile work. Can be finished after 16-48 hours, depending on the layer thickness. Layer thickness: from 3 mm to a maximum of 50 mm. Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emissions), it is also suitable for BREEAM projects.

PRODUCT TYPING

Base	Alpha-calcium sulphate hemihydrate in combination with special cements.
Color	Taupe.
Consistency	Powder.

- Fast setting
- Good compressive strength
- Very low emission (Emicode EC 1Plus)
- Good flowability
- Pumpable
- Dust-free
- Can be finished after 16 - 48 hours, depending on the layer thickness
- layer thickness 50 mm*
- Suitable for underfloor heating

PROPERTIES

Bending Strength	According to NEN-EN 13892-2:2002: after 28 days ≥ 10 N/mm^2.
Bureau Wheelchair resistance	From 3 mm layer thickness.
Classification	GEV-EMICODE EC 1PLUS (very low emission) tested according to EN 13999-2/4. Suitable for BREEAM projects
Compressive strength	According to NEN-EN 13892-2:2002 after 28 days ≥ 35 N/mm^2.
Consumption	Approx. 1.8 kg/m^2 per mm layer thickness.
Flammability	Non-flammable.
Sensitive to frost	No.
Passableness	2–3 hours at 18–20 °C.*

APPLICATION

For levelling in layer thicknesses of 3 to 50 mm of cement- and anhydrite-based sreeds, mastic asphalt (use max. 5 mm layer thickness), magnesite, wood-granite chipboard or existing tiling in indoor applications. Not suitable for wet areas.

Forbo Eurocol Nederland B.V. | Industrieweg 1-2 | Postbus 130 | 1520 AC Wormerveer | Tel: +31 (0)75 627 16 00 | info.eurocol@forbo.com
Forbo Eurocol Deutschland GmbH | August-Röbling-Straße 2 | DE - 99091 Erfurt | PF 80 02 53 | Telefon: +49 361 730 41 0 | info.eurocol.de@forbo.com

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If applying by pump:

First check with the pump supplier that the pump is suitable for all types of levelling. Pumping at too high a mixing speed can cause insufficient flow of the levelling compound.

PROCESSING

Storage	Store cool and dry.
Tools	Smoothing trowel or squeegee in combination with spiked roller, mixing pump unit.
Mixing ratio	23 kg 970 Europlan Nivohybrid to 4 litres of water.
Processing time	Use within 30 minutes after mixing.*
Waiting time	Allow to cure for 2 to 3 minutes after mixing.
Drying	Layer thickness 3 - 5 mm 16 hours*, 6 - 25 mm 24 hours*, 26 - 50 mm 48 hours*.
Shelf Life	12 Months, in unopened packaging.

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

Substrate:

- 970 Europlan Nivohybrid can be used on any rigid, pressure-resistant and tear-resistant stony subfloor. The subfloor must also be clean, permanently dry and free from grease and dirt, in accordance with the requirements of DIN 18 365.
- Sand down cement and calcium sulphate-based subfloors (anhydrite) if necessary, then remove dust using an industrial vacuum cleaner.
- Prime absorbent cement-based subfloors with 044 Europrimer Multi. Prime anhydrite floors with 043 Europrimer Alphy. In both cases, prime with the aid of a fur roller.
- Thoroughly degrease smooth and closed subfloors (tile floors, granito, terrazzo, etc.) with 014 Euroclean. Remove the contamination and then, after sufficient drying, apply a thin but opaque layer of 044 Europrimer Multi using a foam roller. Old (waterproof) glue residues should also be primed in this way.
- Remove contamination and loose parts from asphalt floors and bituminous surfaces. Then prime the surface with 044 Europrimer Multi. Maintain a maximum levelling layer thickness of 5 mm for this type of subfloor.
- Pre-fill holes and damage in anhydrite-based screeds with 946 Europlan Hybrid Repair. After complete drying, prime these areas with 043 Europrimer Alphy. Repair cement-based screeds with 945 Europlan Solid, then prime with 044 Europrimer Multi after drying. After drying, the floor can be levelled.
- Fix cracks and/or joints in the subfloor with 021 Euroblock Reno LE in combination with 063 Eurotape or 808 Eurojoint Connector, possibly with the addition of 846 Quartzsand.
- Always consult our technical product information sheets. In case of doubt about the applications to be made, contact our Technical Advice Department in advance.

Instruction manual:

- To prepare 970 Europlan Nivohybrid, always use clean tools that are free of plaster or cement residues.
- For manual processing, add 23 kg of 970 Europlan Nivohybrid to 4.0 litres of cool tap water.
- Mix the mortar mechanically with the Eurocol 855 Mixer into a smooth and lump-free mass.
- Allow the prepared mortar to cure for approx. 2-3 minutes, then stir the mortar briefly at a low speed.
- Apply the mortar to the floor within 30 minutes with a smoothing trowel or squeegee in a layer thickness of at least 3 mm. Then de-aerate the applied layer immediately with a spiked roller. When applying in thicker layers, float the top layer using a float.
- For thicker layers, an edge strip must be placed at the wall-floor connection.
- If a second levelling layer is applied, the first layer must be completely dry and first primed with 043 Europrimer Alphy. After sufficient drying, the second layer can be applied, which should be no thicker than the first layer. The maximum indicated layer thickness should also not be exceeded.
- When pumping, set the mixing pump unit so that 4.0 litres of cool tap water are added per 23 kg of 970 Europlan Nivohybrid.
- Protect the freshly applied levelling layers against drafts and heating caused by direct sunlight.
- It's recommended not to sand or prime the dry levelling layer.
- If sanding the applied levelling layer is necessary, use a sanding mesh grit 100 or 120. Make the floor thoroughly dust-free after sanding with an industrial vacuum cleaner. If necessary, prime the floor with 049 Europrimer ABS or 099 Dispersion Primer with a foam roller. The minimum drying time is 2 hours.
- Under normal circumstances, the applied leveling layer can be walked on after 2-3 hours and can be further finished with a floor finish after 16-48 hours, depending on the applied layer thickness.
- Dispose of product residues and cleaning water according to the local environmental regulations and do not pour into drains.
- For detailed information on safety measures, refer to the safety data sheet on our website 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:

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970 Europlan Nivohybrid can be applied over underfloor heating. The underfloor heating start-up protocol must be fully completed in accordance with the supplier's guidelines. Turn the heating down or off one day before leveling; turn the heating back on at least 48 hours after leveling, in increments of no more than 5°C per day. Ensure that the floor temperature does not exceed 29°C.

QUALITY AND GUARANTEE

ENVIRONMENT AND HEALTH

GISCODE	CP3 - Levelling compounds based on calcium sulphate and cement, calcium oxide content > 3%
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl.

ITEM DATA

Article	Definition	Packaging	EAN-code
970	Europlan Nivohybrid	23 kg bag	8 710345 970709

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