

# eurocol 970

the strong connection



## EUROPLAN NIVOHYBRID

Self-levelling, very low-tension setting levelling compound for levelling cement and anhydrite-bound subfloors, mastic asphalt (for mastic asphalt, maintain a max. 5 mm layer thickness), magnesite, wood granite chipboard or existing tiling in thicker layers. Can be finished after 48 hours. Layer thickness: from 3 to a maximum of 50 mm. Suitable for indoor use. Thanks to EMICODE EC 1PLUS (very low emission) also suitable for BREEAM projects.

### PRODUCT TYPING

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

- Fast setting
- Very low tension
- Good compressive strength
- Very low emissions (Emicode EC 1Plus)
- Good flowability
- Pumpable
- Dust-free
- Finishable after 48 hours
- Chromate-free
- layer thickness 50 mm\*
- Suitable for underfloor heating constructions

### PROPERTIES

Bending Strength	According to NEN-EN 13892-2:2002: after 28 days $\geq 10$ N/mm <sup>2</sup> .
Bureau Wheelchair resistance	From 3 mm layer thickness.
Compressive strength	According to NEN-EN 13892-2:2002 after 28 days $\geq 35$ N/mm <sup>2</sup> .
Consumption	Approx. 1.8 kg/m <sup>2</sup> 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 subfloors, mastic asphalt (use max. 5 mm layer thickness), magnesite, wood-granite chipboard or existing tiling in indoor applications. Not suitable for wet areas.

If applying by pump:

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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

<b>Storage</b>	Store cool and dry.
<b>Tools</b>	Smoothing trowel or squeegee in combination with spiked roller, mixing pump unit.
<b>Mixing ratio</b>	23 kg 970 Europlan Nivohybrid to 4 litres of water.
<b>Processing time</b>	Use within 30 minutes after mixing.*
<b>Waiting time</b>	Allow to cure for 2 to 3 minutes after mixing.
<b>Drying</b>	48 hours.*
<b>Shelf Life</b>	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 (Eurocol 856/857). The minimum drying time is 2 hours.
- In normal conditions, the applied levelling layer is walkable after 2-3 hours and can be finished with a floor finish after 48 hours.
- 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](http://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 systems:

970 Europlan Nivohybrid can be used on underfloor heating constructions. The start-up protocol of the underfloor heating must be fully executed in advance in accordance with the supplier's guidelines. Switch off the heating one day before levelling; then switch the heating

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back on again at least 24 hours after levelling, in steps of a maximum of 5°C water temperature per day.

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## QUALITY AND GUARANTEE

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## ENVIRONMENT AND HEALTH

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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](http://www.eurocol.nl).

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## ITEM DATA

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

### 970 EUROPLAN NIVOHYBRID