

990 EUROPLAN DIRECT

Self-smoothing and very high quality levelling compound, especially for critical, stony subfloors.



Product Typification

Basis	: Cement-based powder with a high synthetic binder content to be mixed with water.
Colour	: Grey.
Consistency	: Powder.

- Very low VOC-emission
- Emicode EC1 plus
- Less dust
- Favourable spreading capacity
- Self-smoothing
- Low-tension
- In most cases a primer is not required
- Excellent flow
- Pumpable
- High compression strength
- Maximum layer thickness of 20 mm
- Casein-free
- Suitable for use under parquet floors

Performances

Adhesion	: After 28 days 2.75 N/mm ²
Bending Strength	: According to NEN-EN 13892-2:2002: after 28 days ≥ 11 N/mm ² .
Bureau Wheelchair resistance	: From 1 mm layer thickness.
Compressive strength	: According to NEN-EN 13892-2:2002: after 28 days ≥ 33 N/mm ² .
Consumption	: Approx. 1.5 kg/m ² per mm layer thickness.
Flammability	: Non-flammable.
Passableness	: 2-3 hours at 18 - 20 °C.*

Application

For levelling critical and stony subfloors (interior use) in layers up to 20 mm.

If applying by pump:

Consult pump supplier, ensure the pump is suitable for all types of levelling compounds. Pumping with a too high mixing rate can cause an insufficient flow of the levelling compound.

Working Process

Storage	: Store cool and dry.
Tools	: Trowel or notched squeegee in combination with a spiked roller, mixing-device.

Mixing ratio	: Add 23 kg of 990 Europlan Direct to 5.5 - 6 litres of water.
Processing time	: Use within 20 minutes after mixing.*
Latency	: Approx 3 minutes.
Drying	: 24 hours.*
Shelf Life	: 6 months, in unopened packaging.

* The mentioned values have been established in our laboratory and must be considered as guidelines in view of possible variations in climatic circumstances, subfloor compositions and layer thickness.

Substrate:

- 990 Europlan Direct can be applied on any type of stony subfloor that is rigid and has a good tensile and compression strength. The subfloor should also be clean, permanently dry and free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- Degrease smooth and impervious subfloors (tile floors, granito, terrazzo etc.) with 014 Euroclean and and dry well. In most cases it is not necessary to use a primer.
- Absorbent subfloors (sand/cement screeds) can be levelled with 990 Europlan Direct without a primer.
- Prime very strong porous subfloors with 044 Europrimer Multi, 099 Dispersion Primer or 049 Europrimer ABS with a foam roller.
- Prime moisture sensitive subfloors (e.g. anhydrite, magnesite, water-soluble adhesive residues etc.) with 021 Euroblock Reno or 026 Euroblock Multi.
- In case of asphalt floors and bituminous substrates contact our technical department.
- Fill cracks and deep damages with 905 Europlan Fill or 945 Europlan Solid.
- After hardening prime 905 Europlan Fill or 945 Europlan Solid with 044 Europrimer Multi or 049 Europrimer ABS.
- Wooden floorboards must be of a good waterproof quality. During mixing of the 23 kg levelling mortar, add 250 g 811 Reno fibers. Minimum layer thickness must be 3 mm. Don't devide the levelling mortar with a notched squeegee. Seams must be sealed up with 900 Europlan Reno or a suitable acrylic sealant. Prepare 806 Foam Stip Profil or 802 Foam Strips along walls and vertical areas.
- Fix cracks/seams in the subfloor with 021 Euroblock Reno in combination with 063 Eurotape and 846 Quartsand or 808 Eurojoint Connector in combination with 021 Euroblock Reno.
- Level anhydrite floors with 925 Europlan Alphy Direct or 920 Europlan Alphy.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

User manual:

Working conditions:

Required surrounding temperature : 18 - 23 °C.

Temperature for material and subfloor : min. 15° - max. 20 °C.

Relative humidity : 40 - 70%.

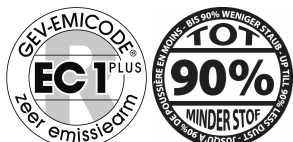
Directions for use:

- Add 23 kg of 990 Europlan Direct to 5.5 - 6 litres of cool and clean tap water.
- Stir thoroughly, using an electric stirrer (Eurocol no. 855), to a smooth and homogeneous mixture.
- Wait for approx. 3 minutes and stir the mortar once again with a low rpm.
- Apply the mortar within 20 minutes on the floor with a trowel or notched squeegee.
- When pumping, adjust the mixing-device in such way that per 23 kg 990 Europlan Direct 5,5 - 6 litres of cool and clean tap water will be added.
- Protect fresh levelling compound layers against draft and direct sunlight.
- Under normal circumstances the applied layer is passable after 2-3 hours. At a layer thickness of 5 mm the levelling compound layer is ready for the installation of a floor covering after 24 hours.
- For extended information about the safety precautions we refer to the safety data sheet on our website www.eurocol.nl.

Underfloor heating systems:

990 Europlan Direct can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completely executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application; do not heat again until at least 24 hours after installation, in steps of maximum 5 °C water temperature per day.

Quality and guarantee



Environment and health

Hazard Class	:	Xi (irritating).
Safety and environment	:	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155.
MSDS	:	For extensive information about safety and environment we refer to our website www.eurocol.nl .

Articles

Article	Definition	Packaging	EAN-code
990	Europlan Direct	23 kg bag	8 710345 990202