

977 Europlan PRO

Properties:

- for projects with middle traffic requirements
- excellent self-levelling properties
- up to 7mm thickness
- very good final strength
- suitable for use of castor-chairs
- suitable for use over normal under-floor heating systems
- suitable for use of notched trowel or pump

Levelling compound for:

- self levelling compound for levelling works up to **7 mm layer thickness** in one working operation
- mineral sub-floors, e.g. cement-based, magnesia screed, anhydrite (calcium sulphate-based) screed
- mastic asphalt for indoor use acc. to DIN 18354 German standard, max. thickness: 2 mm
- suitable for subsequently installation of floor coverings acc. to DIN 18365 German Standard, under parquet at least 3mm
- for interior use

Technical data:

Base:	cement, additives with plastic bonding agents
Colour:	grey
Consistency:	powder
Quantity of mixing water:	25 kg of 977 Europlan Pro in 6,5 l of water
Consumption:	approx. 1,5 kg/m ² per 1 mm layer thickness
Processing time:	approx. 40 min., a maturing time of 2 - 3 min. is recommended
Processing conditions:	5-25 °C (room and sub-floor temperature), air humidity: 35-75 %, 40-65% recommended
Mode of application:	trowel, notched trowel, pump
Shelf-life:	approx. 6 months in original packaging
Storage conditions:	cool and dry, opened sacks are to be closed tightly and to be consumed as soon as possible
Frost sensitivity:	no
Code in accordance to GefStoffV.*:	Xi
GISCODE	ZP 1
EMICODE	low chromium content acc. to TRGS 613*
Safety data sheet:	EC1R Plus available upon request

Above mentioned data was made in laboratory. Due to a huge variety of different applications, these data should be considered as standard values only.

* German Hazardous Material Regulations

Sub-floor:

The sub-floor must meet the requirements according to VOB/DIN 18365 and 18202, e.g. it must have a good compression and tensile strength, permanently dry, crack and dust free, flat, even and rigid. Defective sub-floors shall be treated by taking appropriate measures e.g. grinding, vacuum-cleaning, priming. Please grind off bonding agent residues from the surface in case there are any. In the event of any discrepancy, the installer must always inform the client of his concerns in writing.

Artificial joints and cracks are to be closed with 816 Forbo Epoxy Potting Compound. Holes in the sub-floor can be filled with 940 Forbo Europlan Quick Filling Compound.

Smooth-, non absorbent- and bituminous sub-floors as well as dirty, non-sanded asphalt and calcium sulphate-based screed need to be primed with 044 Forbo Universal Primer (diluted at 1:1 with water).

Prime absorbent cement-based screed, cured Forbo 940 Europlan Quick with Forbo primers.

For levelling works on ceramic tiles, primes the tiles with 070 Europrimer Fill or 071 Europrimer Fibre.

In case of installing the floor covering over normal under-floor heating installations, check existing measuring points regarding their moisture content acc. to DIN 4725/4 German standard.

Instruction for use:

- Pour 25 kg off 977 Europlan PRO into 6,5 l of clean, cold water and stir well to a smooth, lump-free mixture using an electrical drill.
- After a waiting time of approx. 2-3 min., stir the mixture well again. Pour it onto the prepared sub-floor and spread it with a Forbo Notched Trowel within 20-30 min. to the required layer thickness (**max. 7 mm**) in one working operation.
- A smooth surface can be achieved when using an spiked airing roller, the surface does not always have to be sanded.
- Avoid draught and intensive sun during the work as the levelling compound may release too much moisture in a very fast way which may cause cracks.
- The levelling compound layer is **ready for foot traffic** after 2-4 h at a temperature of 18-20 °C. Higher temperatures accelerate drying and hydraulic setting, lower temperatures delay it. Depending on work conditions, levelling compound layer thickness and type of floor covering, the floor covering installation can be done 24 h (in case of 3 mm layer thickness) after levelling compound work. For each further 3 mm, 1 additional day is needed.
- **Under-floor heating systems:** Please switch the heating system off 24 h before the levelling work starts. Assure max. 18 °C sub-floor temperature. Not sooner than 24 h after having completed the levelling work, the heating systems can be switched on again gradually.
- In case of using mixing aggregates, adjust appropriate amount of water, e.g. 410-415 l for aggregate type PFT Monojet 3.35.
- Avoid the percentage of water to be too high as this may cause an instable sintering top layer.

Note:

Product contains hazardous material (but no special transport for hazardous material required!). Please pay attention to the safety data sheet! Do not mix this product with other products unless stated in this technical information sheet. Opened sacks are to be closed tightly and to be consumed as soon as possible. After having applied the self-levelling compound onto the sub-floor, the floor covering needs to be installed within the following days.

Please pay attention to the technical data sheet of auxiliary material!

Relevant norms and standards of the branch are to be respected. Outside Germany national rules need to be followed.

Packaging:

Paper bags à 25 kg

Special note:

The information contained in this product information has been based on experiences derived from laboratory and practical work. The great versatility of materials, many different processing and storage methods and local conditions beyond our control make it impossible to give guarantees for processing results. Therefore, customers are recommended to find the optimum for their particular application case by suitable self-made tests. The General Terms and Conditions of our company shall apply.

This Technical Information supersedes all other application data sheets and product information published before.

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