



## Self-Levelling Compound TopLevel FZ 100



- > highly-tempered levelling compound
- > rapid drying
- > extremely good flow
- > very low-emission, EC1-PLUS



### Product description

Self-levelling, flowable, pumpable, polymer-modified levelling compound. Mixed with special plasticizer, with very smooth surface, easy to sand and quick drying. Only indoors, for load-bearing cement screeds and indoors concrete. To produce even surfaces in layer thicknesses of up to 20 mm before laying floor coverings and parquet. Suitable for underfloor heating systems and castor wheel loads.

#### Delivery format

Container	Outer packaging	Pallet
25 KG / PS	-	42 PS

#### Storage

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 365 days

### Processing

#### Recommended tools

Slow-rotating electric agitator, suitable mixing vessel, trowel, smoothing trowel, spatula, scraper, hobnailed boots, spiked roller.

#### Mixing

Take a clean mixing vessel and add this product to water using a slow-rotating mixer until a homogeneous and lump-free blend is obtained (mixing time approx. 4 minutes). At thicker layer thicknesses of 10 mm to 20 mm, FZ 100 can be diluted with approx. 30% quartz sand 0.3 - 0.8.

#### Processing

Pour the fresh smoothing compound onto the substrate in one work step, if possible, up to the desired layer thickness (max. 20 mm) and distribute evenly. For multi-layered application, prime with Murexin Primer D 1. For layer thicknesses over 10 mm, the levelling compound can be mixed with up to max. 30 p.b.w with quartz sand of 0.3 - 0.9 mm grain.

Longer drying times are to be observed for higher layer thicknesses and non-absorbent substrates! Drying time approx. 6 - 8 hours per mm layer thickness, and absorbent substrate. Self-Levelling Compound TopLevel FZ 100 can be pumped and is suitable for scraping. From 3 mm layer thickness and higher, at least 5 hours drying time must be observed per mm.

\*(Determined at 20 °C/65% relative humidity) Minimum layer thickness under parquet: 3 mm

## Technical data

Chemical base	cement
Consumption	approx. 1.5 kg/m <sup>2</sup> per mm layer thickness
Water consumption	5.5 to 6.0 l / 25 kg bag (approx. 0.23 l / kg)
Layer thickness	max. 20 mm
Ready for laying	after approx. 24 hrs at 3 mm
Processing time	approx. 20 Min.
Can be walked on	after approx. 2 - 4 hrs.
Bending tensile strength	F10
Compressive strength	C35

## Test certificates

### Tested in accordance with (standard, classification ...)

according to DIN 13813 C35 F10

Fire class A1 fl according to DIN EN 13501-1

EC1-PLUS

## Substrate

### Suitable substrates

Cement screeds and concrete floors

Calcium sulphate screeds

Dry screed elements based on cement

The substrate must be dry, free of frost, solid, load-bearing, dimensionally stable and free of dust, dirt, oil, grease, solvents and loose parts and correspond to the applicable technical national and European guidelines, standards as well as meet the "generally accepted rules of the trade".

### Priming:

On absorbent substrates:

Deep Primer LF 1 (undiluted), Special Primer DX 9 or Primer D 1 (mixing from 1:1 to 1:3 with water)

On non-absorbent substrates:

Primer D 4 Rapid or Special Primer DX 9 (undiluted)

## Product and processing instructions

### Composition:

Cement, dispersion, gypsum (binder), mineral fillers (fillers), retarders, interface additives, accelerators, rheology additives (additives)

### Material information:

- When working outside the ideal temperature and/or humidity range, the material properties may change significantly.
- Temper materials accordingly before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water dosing amounts or thinning specifications must be precisely kept!
- Check coloured products before use for colour accuracy!
- Colour consistency can only be guaranteed within the same batch.
- Colouration is significantly affected by environmental conditions.
- Mixed material that has already started to stiffen may not be diluted further and replaced with fresh material!
- Only recycle completely empty containers. Any remaining material can be disposed of as household waste once it has dried.
- The specified flexural strength and compressive strength values refer to a water content of 0.23 litres per kilogram. A change in the water content may result in a deviation from the strength class.

### Environmental advice:

- Do not process at temperatures below +15 °C!
- The ideal temperature range for material, substrate and air is +15 °C to +25 °C.
- The ideal air humidity range is between 40% to 60%.
- Increased humidity and/or lower temperatures delay, lower air humidity and/or higher temperatures accelerate drying, setting and hardening.
- Ensure sufficient ventilation during the drying, reaction, and hardening phase; avoid draughts!
- Protect from direct sunlight, wind and weather!
- Protect adjacent components!
- Keep out of reach of children.
- Avoid eating, drinking and smoking while handling this product.
- Do not allow to enter drains, waterways or soil.

### Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- Keep a genuine original container of the respective batch for later repair work.
- For heated screeds, a standard heating procedure must take place before laying.
- The underfloor heating system may not be switched on during the processing and hardening.
- Clean the tools with water immediately after use.
- Wear protective gloves.
- Wear protective goggles.
- If the adhesive or the laying material comes in contact with your eyes, wash immediately with plenty of water and contact an eye doctor.
- Protect your hands with waterproof, robust gloves.
- Wear long trousers.
- Avoid longer periods of skin contact with the adhesive or laying material. Immediately and thoroughly wash affected skin with water.
- The longer fresh adhesive or installation product remains on your skin the greater the risk of serious skin damage.
- Keep children away from fresh adhesive or installation product.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

## Safety instructions

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.

Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt.

This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at [www.murexin.com](http://www.murexin.com).