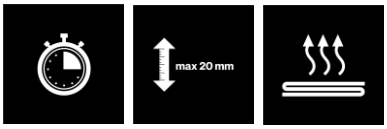
TopLevel FZ 100 Self-Levelling Compound Pro





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

Product description

Powder-form cement-based, polymer-modified, self-levelling compound for producing smooth, level subfloors in interior areas. Suitable for application thicknesses of up to 20 mm per layer prior to the installation of floor coverings and parquet flooring.
The product contains specialist superplasticisers and offers excellent flow properties. It is suitable for pump application as well as manual application using a smoothing blade or notched squeegee. Once hardened, it forms a very smooth, easily sandable surface which can be covered with floor coverings once fully dry.
Suitable for use with underfloor heating and in areas subject to castor chair traffic.

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
Pour the specified amount of water into a clean mixing container. Gradually add the powder while stirring and mix thoroughly using a slow-speed mixer until a homogeneous, lump-free consistency is achieved. Mixing time: approx. 4 minutes. For optimum mixing results, use the DLX mixing paddle.

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Processing

Pour the freshly mixed levelling compound onto the prepared and primed substrate, preferably in a single application, to the required thickness, up to a maximum of 20 mm, and spread evenly. TopLevel FZ 100 is pumpable and suitable for application using a smoothing blade or squeegee. The minimum application thickness beneath parquet flooring is 3 mm.

For multi-layer applications, allow the previous layer to dry sufficiently before applying a coat of MurePrime D1, LF1 or DX9, diluted with water as appropriate to the absorbency of the substrate. The primer must be allowed to dry completely before applying the next layer.

For application thicknesses exceeding 20 mm, TopLevel FZ 100 must be extended with quartz sand of grain size 0.1–0.5 mm or 0.3–0.8 mm to reduce stress build-up. The amount of quartz sand added must not exceed 25% by weight, based on the powder weight of the levelling compound, corresponding to a maximum of 6.5 kg of quartz sand per 25 kg bag.

Adding quartz sand reduces the flow properties of the levelling compound. The specified mixing water quantity must remain unchanged. Adding extra water to compensate for the reduced flow properties is not recommended, as excessive water may cause fine particles to rise to the surface.

The working time is approximately 20 minutes. The surface is ready for foot traffic after approximately 2–4 hours and, at an application thickness of 3 mm, ready to receive floor coverings after approximately 24 hours. Longer drying times must be allowed for greater application thicknesses and/or non-absorbent substrates. Lower temperatures and higher humidity levels will extend the drying time.

Curing and Aftercare:

Appropriate measures must be taken to prevent the freshly applied levelling compound from drying too quickly. Protect the surface from draughts and direct sunlight during

Technical data

Chemical base	cement
Consumption	Consumption at 1 mm: approx. 1.5 kg/m²; coverage per 25 kg bag: approx. 16.6 m² Consumption at 3 mm: approx. 4.5 kg/m²; coverage per 25 kg bag: approx. 5.5 m² Consumption at 10 mm: approx. 15 kg/m²; coverage per 25 kg bag: approx. 1.6 m² Consumption at 20 mm: approx. 30 kg/m²; coverage per 25 kg bag: approx. 0.8 m²
Water consumption	5.5 to 6.0 l / 25 kg bag
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
Object and material processing temperature	Ideal temperature range for the material, substrate and ambient air: +15 to +25 °C
Substrate temperature	at least +15 °C

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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

On absorbent substrates, suitable primers such as MurePrime LF 1 (undiluted), MurePrime D 1 or MurePrime DX 9 must be used. Depending on the absorbency of the substrate, MurePrime D 1 and MurePrime DX 9 can be diluted with water at a ratio of 1:1 up to a maximum of 1:3. Applied primers must be allowed to dry completely before proceeding with subsequent work.
On non-absorbent substrates, MurePrime DX 9 (undiluted) or MurePrime D 4 Rapid (undiluted) must be used. When using MurePrime DX 9, the maximum thickness of the subsequent levelling compound is 10 mm per application. When using MurePrime D 4 Rapid, the maximum thickness is 15 mm per application.
For problematic substrates that are generally suitable for application, or for application thicknesses exceeding 15 mm in a single application, a suitable Murexin epoxy resin, SMP or polyurethane (PU) primer must be used. While still wet, the primer must be fully broadcast with suitable quartz sand to excess. Approximate consumption: 2.5–3.0 kg/m². Once fully cured, carefully remove and vacuum up all loose excess sand.
If perimeter insulation strips are not already in place, RS 50 perimeter insulation strips must be correctly installed before commencing the levelling work.

After sanding, thoroughly vacuum the levelling compound. If any residual sanding dust cannot be completely removed, the application of a dust-binding primer such as MurePrime LF 1 is recommended in accordance with the system specifications. This can help prevent premature drying of the adhesive, particularly at higher temperatures, and extend its open time.

Product and processing instructions

Material-Related Information
Processing outside the recommended temperature and/or humidity range may noticeably affect the material properties.
Condition materials to the appropriate temperature before use.
No foreign materials may be added, other than the specified quartz sand.
Strictly observe the specified water quantities and dilution ratios.
Material that has already started to set must not be diluted again with water or mixed with fresh material.
The specified flexural tensile and compressive strengths are based on a water content of 0.23 litres per kg of powder. Any change in the amount of water may result in a deviation from the specified strength class.

Environmental Conditions
Do not apply at substrate temperatures below +15 °C.
The ideal temperature range for the material, substrate and ambient air is +15 to +25 °C.
The ideal relative humidity range is 40–60%.
Higher humidity and/or lower temperatures delay drying, setting and hardening. Lower humidity and/or higher temperatures accelerate these processes.

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Ensure adequate ventilation during drying and hardening; avoid draughts.
Protect from direct sunlight, wind and adverse weather conditions.
Protect adjacent building components.

Practical Advice
Carry out a test application or small-scale trial beforehand.
Observe the technical data sheets of all Murexin products used in the system.
For heated screeds, the prescribed heating-up procedure must be completed in accordance with the applicable standards before installing the floor covering.
Underfloor heating must remain switched off during application and hardening.
Clean tools with water immediately after use.

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.

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