TopLevel FZ 15 Self-Levelling compound







> self-levelling
> synthetic resin-modified
> very good flow
> very low emission, EC1



Product description

Powder-form, polymer-modified, self-levelling cement-based compound. For interior use only, designed to produce smooth, level subfloors at application thicknesses of up to 10 mm per layer prior to the installation of all types of floor coverings, including parquet flooring.
The product offers excellent flow properties, is pumpable and can be evenly distributed using a smoothing blade or notched squeegee. Once fully dry, the surface is ready to receive floor coverings.
Suitable for use with underfloor heating and in areas subject to castor chair traffic. Resistant to castor chair loads from a minimum application thickness of 2 mm. The minimum application thickness beneath parquet flooring is 3 mm.

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 10 mm, and spread evenly. TopLevel FZ 15 is pumpable and suitable for application using a smoothing blade or squeegee.

For multi-layer applications, allow the previous layer to dry sufficiently before applying a coat of MurePrime LF 1 (undiluted), MurePrime DX 9 or MurePrime D 1, diluted with water as appropriate to the absorbency of the substrate. The primer must be allowed to dry completely before applying the next layer. The maximum application thickness remains 10 mm per layer, even when applying multiple layers.

For application thicknesses exceeding 5 mm, TopLevel FZ 15 can be extended with quartz sand of grain size 0.1–0.5 mm or 0.3–0.8 mm. 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 6.25 kg of quartz sand per 25 kg bag. The maximum application thickness of 10 mm per layer also applies when quartz sand is added.

Adding quartz sand reduces the flow properties of the levelling compound. The specified mixing water quantity should 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 1–2 hours and ready to receive floor coverings after approximately 24 hours. Longer drying times must be allowed for greater application thicknesses of 3 mm or more 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 drying.

Technical data

Chemical base	cement
Consumption	Consumption at 1 mm application thickness: approx. 1.5 kg/m²; coverage per 25 kg bag: approx. 16.6 m² Consumption at 3 mm application thickness: approx. 4.5 kg/m²; coverage per 25 kg bag: approx. 5.5 m² Consumption at 10 mm application thickness: approx. 15 kg/m²; coverage per 25 kg bag: approx. 1.6 m² The consumption and coverage figures refer to unfilled material. Adding quartz sand will change the consumption and yield.
Water consumption	6.0–6.5 litres per 25 kg
Layer thickness	max. 10 mm
Ready for laying	after approx. 24 hrs.
Processing time	approx. 20 min.
Can be walked on	after approx. 3 - 4 hrs
Bending tensile strength	F7
Compressive strength	C25
Object and material processing temperature	Ideal temperature range for the material, substrate and ambient air: +15 to +25 °C
Substrate temperature	Minimum: +15 °C

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Test certificates

Tested in accordance with (standard, classification ...)
EN 13813:2003
C25 F7
Brandverhalten A1

Substrate

Suitable substrates
Priming and Substrate Preparation:

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. The maximum permitted application thickness of the subsequent levelling compound is 10 mm per application.
For problematic substrates that are otherwise suitable for application, a suitable Murexin epoxy resin, SMP or polyurethane (PU) primer may be used where necessary. While still wet, the primer must be fully broadcast with suitable quartz sand to excess, at an approximate consumption rate of 2.5–3.0 kg/m², to ensure reliable mechanical adhesion of the subsequent levelling compound. 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 binds residual dust and also helps extend the adhesive open time, particularly at higher temperatures, while reducing the risk of premature drying of the adhesive.

The substrate must be dry, frost-free, sound, load-bearing, dimensionally stable and free from dust, dirt, oil, grease, release agents and loose particles. It must comply with the applicable national and European technical guidelines and standards, as well as the generally recognised rules of good practice.

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 0.25 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.

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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.
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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