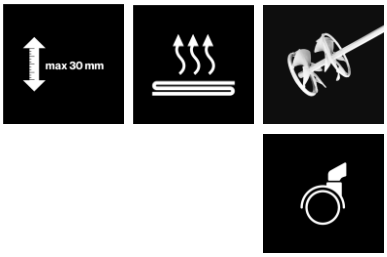
TopLevel NE 30 Self-Levelling Compound





> Highly polymer-modified levelling compound
> self-levelling
> Application thickness: up to 30 mm
> Sandable
> low-stress

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 5 to 30 mm per layer prior to the installation of all types of floor coverings, including parquet flooring.
Particularly suitable for levelling out significant surface irregularities, for example on load-bearing hollow-core concrete slabs and structural concrete floors, as well as for large-area levelling and height adjustment.
The product is pumpable and can be evenly distributed using a smoothing blade or notched squeegee. Once hardened, it forms a sandable surface which can receive floor coverings once fully dry.
Suitable for use with underfloor heating systems 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
Low-speed electric agitator, suitable mixing vessel, trowel, smoothing trowel, spatula, scraper, hobnailed boots, spiked roller.

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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.

Processing
Pour the fresh levelling compound onto the prepared and primed substrate, preferably in a single application, to the required layer thickness, up to a maximum of 20 mm, and spread evenly. TopLevel NE 30 is pumpable and suitable for application using a smoothing blade or notched squeegee. The minimum layer thickness beneath parquet flooring is 3 mm.

For multi-layer applications, once the previous layer has dried sufficiently, apply a preliminary coat of MurePrime D1, LF1 or DX9, diluted according to the absorbency of the substrate. The primer must be allowed to dry completely before applying the next layer.

For layer thicknesses exceeding 30 mm, TopLevel NE 30 must be bulked out with quartz sand of grain sizes 0.1–0.5 mm or 0.3–0.8 mm to relieve stress. The amount 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 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 can cause fine particles to rise to the surface.

The working time is approx. 20 minutes. The surface can be walked on after approx. 2–4 hours. Longer drying times must be allowed for with greater layer thicknesses and/or non-absorbent substrates. Lower temperatures and increased humidity will extend the drying time.

Where underfloor heating systems are installed retrospectively, the heating or carrier panels must be securely bonded to the load-bearing substrate by mechanical fixing (screwing) or adhesive bonding before levelling. The underfloor heating system manufacturer's instructions regarding substrate preparation, fixing and the required covering thickness must be observed. The general minimum application thickness of 5 mm does not replace any greater covering thickness required by the specific system.

Technical data

Chemical base	cement	
Consumption	approx. 1.7 kg/m² per mm layer thickness	
	Consumption at 5 mm approx. 8.5 kg/m²	Coverage approx. 2.94 m²
	Consumption at 10 mm approx. 17.0 kg/m²	Coverage approx. 1.47 m²
	Consumption at 15 mm approx. 25.5 kg/m²	Coverage approx. 0.98 m²
	Consumption at 20 mm approx. 34.0 kg/m²	Coverage approx. 0.74 m²
	Consumption at 30 mm approx. 51.0 kg/m²	Coverage approx. 0.49 m²
	Coverage is based on one pack.	
Water consumption	4.0–4.5 litres per 25 kg bag	
Layer thickness	max. 30 mm per application	

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Ready for laying	Application thickness up to 3 mm: approx. 10–12 hours Application thickness up to 5 mm: approx. 14–20 hours Application thickness up to 10 mm: approx. 24–48 hours Each additional mm: approx. 12 hours extra The drying times are based on a relative humidity of 50% at an ambient temperature of 20°C.
Processing time	approx. 30 min.
Can be walked on	approx. 2-3 hrs, depending on layer thickness
Bending tensile strength	F7
Compressive strength	C35
Object and material processing temperature	Ideal temperature range for the material, substrate and ambient air: +15 to +25 °C
Substrate temperature	Minimum: +15 °C

Test certificates

Tested in accordance with (standard, classification ...)
Strength classification according to EN 13813: CT-C35-F7
Reaction to fire: Class A1fl according to EN 13501-1
GEV EMICODE: EC1 PLUS

Substrate

Suitable substrates
Standard mineral substrates
Cement screeds and concrete floors
Dry screed elements based on cement

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. When using MurePrime DX 9, the maximum permitted application thickness of the subsequent levelling compound is 10 mm per layer; when using MurePrime D 4 Rapid, the maximum is 15 mm per layer.
For problematic substrates that are otherwise suitable for application, or where application thicknesses exceed 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, 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.

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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 information

- When processing outside the ideal temperature and/or humidity range, the material properties may change significantly.
- Condition materials to the appropriate temperature before application.
- To maintain the product properties, no foreign materials may be added.
- Strictly observe the specified water quantities and dilution instructions.
- Mixed material that has already started to stiffen must not be diluted further with water or mixed with fresh material.
- The specified flexural and compressive strength values are based on the stated water addition rate. Any change in the amount of water added may affect these values.

Ambient conditions

- Do not apply at substrate temperatures below +15°C.
- The ideal temperature range for the material, substrate and ambient air is +15°C 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.
- Ensure adequate ventilation during drying and hardening; avoid draughts.
- Protect from direct sunlight, wind and adverse weather conditions.
- Protect adjacent building components.

Tips

- We recommend carrying out a test application or trial area beforehand.
- Observe the technical data sheets of all Murexin products used in the system.
- Keep an unopened original product from the respective batch for subsequent repair work.
- For heated screeds, the standard heating-up procedure must be completed before installing floor coverings.
- Underfloor heating must remain switched off during application and hardening.

The information provided represents average values determined under laboratory conditions. Due to the use of natural raw materials, the stated values may vary slightly between individual batches without affecting the product's suitability for its intended use.

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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