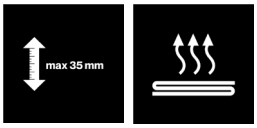
TopLevel ST 25 Self-Levelling Compound Project

> self-levelling
> very low-tension
> up to 35 mm layer thickness



Product description

Powdery, plastic-tempered, low-tension, self-levelling, hydraulically setting levelling compound.
CT - C25 - F5 according to EN 13813, fire behaviour A1 fl.
Only indoors to produce even substrates in layer thicknesses from 2 to 35 mm before laying all sorts of floor coverings, as well as before laying tiles and natural stone flooring. For evening out extreme unevenness, such as with hollow core slabs, ceiling slabs, and large area level compensation. Suitable for underfloor heating systems and castor wheel loads according to DIN EN 12529.

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.

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).
Mixing ratio:
approx. 4,75 litres of water (corresponds to approx. 0.19 l/kg)
per 25 kg TopLevel ST 25

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Processing
Pour the fresh filler onto the substrate in one work step, if possible, up to the desired layer thickness (max. 35 mm) and distribute evenly. With multi-layered application, the next layer must be applied immediately after the substrate can be walked upon. For longer intervals, prime with MurePrime D 1 or MurePrime LF 1. With thicker layers and the squeegee technique, flow and surface can be improved by deaerating (spiked roller).
Ready for laying textile elastic and natural stone coverings approx. 24 hours per 3 mm layer thickness; laying of ceramic coverings approx. 24 hours per 10 mm.
TopLevel ST 25 can be pumped and is suitable for scraping.
Optimum processing temperature: 16 - 22 °C
Sanding over with a 24 - 60 grain accelerates drying and improves the absorbency.
Observe longer drying times for higher layer thicknesses, non-absorbent substrates, and lower temperatures.

Post-treatment:
Fresh levelling compound must be prevented from drying out too fast with corresponding measures.

Technical data

Chemical base	cement
Consumption	approx. 1.7 kg/m² per mm layer thickness
Water consumption	approx. 4.75 l / 25 kg bag (approx. 0.19 l/kg)
Layer thickness	max. 35 mm
Ready for laying	approx. 24 - 36 hrs, depending on layer thickness
Processing time	approx. 20 - 30 min
Can be walked on	approx. 1 - 2 hrs, depending on layer thickness
Bending tensile strength	F5
Compressive strength	C25

Test certificates

Tested in accordance with (standard, classification ...)
EN 13813:2003

Substrate

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

The substrate must be dry, frost-free, solid, weight-bearing, dimensionally stable, free of dust, dirt, oil, grease, release agents, and loose parts, and it must comply with the applicable technical national and European directives, standards, and "generally accepted rules of the trade".

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Priming:
On absorbent substrates:
MurePrime LF 1 (undiluted), MurePrime DX 9 or D 1 (mixing from 1:1 to 1:3 with water)
On non-absorbent substrates:
MurePrime D 4 Rapid or DX 9 (undiluted)

Product and processing instructions

Material instructions:
- The material properties may change significantly when working outside the ideal temperature and/or humidity range.
- 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 consistency!
- Colour evenness can only be guaranteed within a batch.
- Environmental conditions significantly influence colouring.
- Mixed material which is already starting to stiffen may not be diluted further or mixed with fresh material!

Environmental notices:
- 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 and 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!

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.

The information provided reflects average values 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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