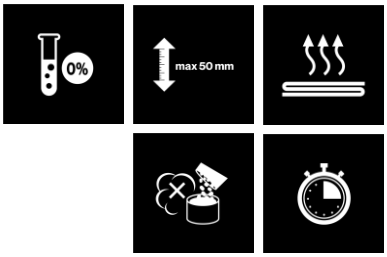
Self-levelling Compound TopLevel FMI 50



> Dust-reducing and Self-levelling
> Very quick to use
> Wear-resistant
> Layer thicknesses from 3 to 50 mm
> Can be processed by machine and by hand

Product description

Self-levelling, dust-reducing levelling compound that is easy to apply by machine or manually in layer thicknesses of 3 - 50 mm for indoor and outdoor use. Especially suited to the production of even, high-load floors in industry and trade. Due to its high mechanical strength and low abrasion, the mineral levelling compound can be left as a directly usable final coating.
An additional impregnation can be applied to protect against contamination and to improve the surface strength.
Self-levelling Compound TopLevel FMI 50 can be used as a levelling filler under reaction resin coatings.
Area of application: floor covering for areas with heavy foot traffic (shops, shopping centres, event halls, etc.) and areas subject to wear from rubber-tyred vehicles (garages, warehouses, industrial floors, etc.). As a decorative covering (with impregnation) in living spaces.

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-running electric agitator, suitable mixing vessel, trowel, smoothing trowel, spatula, squeegee or suitable mixing pump.

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Mixing

Mix homogeneously and lump-free in a clean mixing vessel by stirring in with a slow-running agitator (approx. 300-600 rpm) (mixing time approx. 4 minutes).
The material is mixed or added in the specified mixing ratio/dosage. A scale or measuring bucket must be used to determine partial quantities. Mixing ratio:
approx. 4.5 litres of water (corresponds to approx. 0.18 l/kg) per 25 kg of TopLevel FMI 50

Processing

Pour the fresh filling compound onto the substrate to the desired layer thickness (3-50 mm) in a single pass if possible and spread evenly. With multi-layered application, the next layer must be applied immediately after the substrate can be walked on (approx. 1-2 hours). Always prime again with longer intervals.
Murexin Self-levelling Compound TopLevel FMI 50 is pumpable and suitable for scraping.
Process the mixed mortar quickly. Mortar that has already stiffened may not be reprocessed by adding water.
We recommend impregnation of the surface when used outdoors and/or as a usable final coating, and appropriate measures must be taken to prevent the fresh levelling and Self-levelling Compound TopLevel FMI 50 from drying out too quickly.
Clean tools with water immediately after use.

Technical data

Chemical base	cements, additives and admixtures
pH value	~12
Colour	Cement grey
Consumption	1.7 kg/m² per mm layer thickness
Layer thickness	3 - 50 mm per working step
Processing time	approx. 40 minutes (at 23 °C)
Can be walked on	after 3 - 4 hrs depending on layer thickness (at 23 °C)
Bending tensile strength	approx. 10 MPa
Compressive strength	approx. 40 MPa
Processing temperature	+8 °C to +30 °C
Setting time	90 min.
Labelling	C 40 / F 10 according to EN 13813

Substrate

Suitable substrates

The substrate must be clean, solid, load-bearing and free from separating agents and adhesion-reducing components. Old coatings are to be removed. The concrete substrate must have a compressive strength of > 25 MPa and a surface tear strength of at least 1.5 MPa as well as sufficient surface roughness.
Priming: Lightly loaded surfaces (indoor areas with low foot traffic): Sealing Primer AG 3.
Highly loaded surfaces: (indoor areas with vehicular traffic and outdoor areas): Epoxy Base Resin EP 70 BM with sanding.

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Product and processing instructions

Material information:
- If processing outside the ideal temperature and/or humidity range the material properties could change markedly.
- Bring the materials to the proper temperature before processing!
- In order to maintain the product properties, do not add any foreign materials!
- Water dosing quantities or dilution information must be strictly adhered to!
- Check tinted products for colour accuracy before application!
- Colour consistency can only be guaranteed within the same batch.
- The colour formation is significantly impacted by the environmental conditions.
- Already mixed material that is beginning to harden may not be diluted further or mixed with fresh material!

Environmental information:
- Do not process at temperatures below +5 °C!
- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative humidity range is 40% to 60%.
-Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temper
atures will speed it up.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect against direct sunlight, wind and weather!
- Protect adjacent components!

Panel size and joint planning:
To avoid stresses and cracking, the length-to-width ratio of the individual panels must not exceed 1:1.5. The maximum side length is limited to 8 m, corresponding to a maximum area of approximately 40 m². When this ratio is maintained, this results, for example, in an area of about 5.2 m × 7.8 m. Larger areas must be subdivided by connection joints to ensure safe and durable execution. For irregular surface geometries as well as for installations such as columns, shafts, or foundations, additional movement and connection joints must be provided to ensure a stress-free formation of the surface and to prevent cracking.

Tips:
- We recommend using a test surface first or a small area for initial, small-scale testing.
- Please heed the product data sheets of all MUREXIN products used in the process.
- Keep a genuine original container of the respective batch for later repair work.
- For heated screeds, a standard heating procedure is required before laying,
- Do not turn on the underfloor heating system during processing and hardening.

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

Please refer to safety data sheet for product-specific information with regard to composition, handling, cleaning, corresponding actions and disposal.
Limiting and monitoring exposure
Personal protective equipment:
General protection and hygiene measures:
- Keep away from foodstuffs, beverages and feedstuffs.
- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.
Breathing protection:
- Filter P2.
- Wear breathing protection in case of inadequate ventilation.
Hand protection:
- Protective gloves.
- The glove material must be impermeable and resistant to the product/substance/preparation.
Glove material
- Nitrile rubber
- Use gloves made from stable materials (e.g. nitrile).
Penetration time of the glove material
- The precise penetration time is to be found out from the protective glove manufacturer and complied with.
Eye protection: Protective goggles recommended when decanting.
Body protection: protective clothing.

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

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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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