

## Maleki-SM 750

### Smoothing mortar

Item-No.: 1517

Stable smoothing mortar. Hardens fast with a layer thickness of 3 – 40 mm.

### Technical data

<b>Mixing ratio</b>	4.0 – 4.5 l water per 25 kg powder	<b>Color</b>	Grey
<b>Strength</b>		<b>Application thickness</b>	3 – 40 mm
Compressive strength	≥ 10 N/mm <sup>2</sup>		
Flexural strength	≥ 2 N/mm <sup>2</sup>		
<b>Processing temperature</b>	Min. +5 °C, max. +35 °C	<b>Processing time</b>	approx. 40 min
<b>Loadability</b>	Curing at 20°C	<b>Consumption</b>	approx. 1.4 kg / m <sup>2</sup> and mm layer thickness
Walkable / ready for covering*	3 hours		
Light load	1 day		
Fully loadable	4 days		

\* Ceramic coverings. Natural stone coverings can only be laid after 24 hours.

### Properties

- Eco-Binder technology
- environmentally friendly
- low in chromate according to DIN EN 196-10
- fast curing
- polymer-modified
- easy application

### Range of usage

- for indoor and outdoor use
- for repair and smoothing work on wall and floor surfaces
- for application of sloping or levelling layers
- for installation or repair of stair treads
- applicable in layer thicknesses of 3 – 40 mm

### Preparation of substrate

Prior to coating, ensure that the surface is stable and has sufficient surface tensile strength. The surface should also be ready for coating, dry or matt damp, clean and free from all kinds of debris. The surface should be permanently vibration-free and crack-free. Already existing cracks must be repaired professionally. The adhesive strength of the substrate must be at least 1.5 N/mm.

Pre-wet absorbent surfaces like concrete, cement plaster, sand-lime brick (fully joined with cement mortar), brick, heavy concrete and hollow block masonry walls. Pre-wetting according to moisture content of the substrate until the surface is matt damp. Avoid puddles. Use Maleki-TG 110 as primer for highly absorbent substrates. Observe drying times of the primer. Please refer to the technical data sheet of Maleki-TG 110 for more information.

### Mixing and application

Mix the material by using a mixing machine. First, add 4.0 – 4.5 liters of water per 25 kg powder material into the mixing container. Then, pour Maleki-SM 750 inside while stirring. For manual applications the hand-held mixer BSM 2882 by Baier Tools and the Collomix mixing paddle KR 140 HF are recommended. By using the respective mixing paddle, a proper thread adapter must be used. For mixing of partial quantities in smaller containers the mixing paddle KR 90 S for drilling machines is recommended. The material has to be mixed intensely for 2 minutes, left to set for 2 minutes, and then mixed again for 1 more minute. Mix only as much material as can be applied within 30 minutes. After mixing, apply Maleki-SM 750 to the intended thickness.

The surface has to be protected from too quick drying (solar radiation, draft) for the 1<sup>st</sup> 24 hours. Do not cover the finished surface with foils or other materials.

### Covering with subsequent coatings

When used as a levelling layer without further surface treatment, a final topcoat must always be applied afterwards. For subsequent covering of Maleki-SM 750 the dried mortar must be ready for covering. For laying of ceramic coverings, the surface is ready for covering after 3 hours. A waiting time of 24 hours must be observed for the installation of natural stone coverings.

For subsequent coating with products of the Maleki DFS or IFS line the mortar has to cure at least 24 hours before the substrate can be primed with Maleki-TG 110.

All stated waiting times depend on the respective ambient conditions and the application thickness. The following conditions can lead to an extension of the stated waiting times:

- Low temperatures, especially below 10°C
- Permanently high relative humidity

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- Installation in high layer thickness above 10 mm

The mortar surface should not have any visible damp spots and should have a firm surface.

## Use as a wear layer

For the use of Maleki-SM 750 as a final coat it is recommended to apply a suitable surface protection system. To achieve a higher abrasion resistance or chemical resistance we recommend a combined application of Maleki-DW 100 and Maleki-LL 100. For a complete sealing we recommend the use of Maleki-VS 930. Please refer to the respective data sheets for more information.

## Tools and cleaning

Hand-held mixer, stirrer, trowel.

All equipment should be washed clean and dried before and after application.

## Packaging and shelf-life

25 kg paper bag

Original packing is storable for 9 months in dry and controlled temperate areas (not below 0 °C, recommended 10 – 25 °C). Reseal opened containers immediately and use within a very short time.

## Associated products

Maleki-TG 110	Item-No. 1110
Maleki-SM 750	Item-No. 1517
Maleki-DW 100	Item-No. 1815
Maleki-LL 100	Item-No. 1810
Maleki-VS 930	Item-No. 1828

## Safety notes

Maleki-SM 750 contains cement and reacts alkaline with moisture/water. Avoid inhaling dust when opening packaging. Protect skin and eyes during the mixing process.

Please refer to the Material Safety Data Sheet which can be requested on [www.malekigmbh.com](http://www.malekigmbh.com) for further information on safety during transportation, storage, handling and disposal. Follow instructions on the packaging.

## Notes

Do not remix almost cured material with water. Protect the fresh surface against draughts, direct sunlight and high room temperatures after application.

The content of this technical data sheet corresponds to the latest development and our applications experience. All information is based on ideal conditions and therefore does not apply for every application purpose. Due to different materials, substrates and different actual site conditions no warranty is given for the customer's application. In particular, we assume no liability based on this information or any verbal statements. The only exception is when we can be blamed for the case of intent or gross negligence. In that case the customer has to prove that he has transmitted all required information completely and in a timely manner for a proper and promising evaluation by Maleki GmbH. Any further details regarding the application of our products have to be confirmed in writing by Maleki GmbH. The customer must test the product's suitability for the intended application and purpose. We reserve the right to change the product specifications due to the ongoing development. Apart from that our general

terms and conditions are valid. This data sheet supersedes all earlier technical data on this product. The technical data sheet can be requested on [www.malekigmbh.com](http://www.malekigmbh.com).