

**MIG DHMb® Lining System****Exterior and Interior Application**

# MIG Therm M 65

- ✓ high yield
- ✓ purely mineral-based
- ✓ highly water vapour permeable, moisture regulating
- ✓ especially for highly heat-insulating masonries
- ✓ very good thermal insulation properties
- ✓ non-flammable – building material class A1



## Product Description

**MIG Therm M 65** is a heat-insulating fire protection and system lightweight plaster based on lime, cement, fractionated sands, mineral lightweight aggregates and special additives for improving processability.

**MIG Therm M 65** is a plaster of mortar group P II according to DIN 18550 and strength class CS II according to DIN EN 998-1.

**Technical consulting service**

Phone: +49 (0) 5258 - 974 82 0

E-Mail: [info@mig-mbh.de](mailto:info@mig-mbh.de)

## Application Area

Suitable for exterior and interior use as a light, extremely **low-tension system insulating plaster** on all common substrates.

Especially suitable for modern, highly heat-insulating masonries.

For all types of masonries, plaster base, concrete with bonding agent. Complete plaster system, alone with **MIG Therm M 65** consisting of levelling mortar, adhesive plaster (spray cast) and functional plaster **MIG 262**.

## Building Site Requirement

The plaster base must comply with the relevant standards and the manufacturer's processing guidelines. Do not process at air and/or object temperatures below + 5°C or above + 35°C or in case of expected night frosts.

## Substrate Preparation

The substrate must be clean, dry, solid and free of loose parts. Always remove release agents. Dry old plaster thoroughly or clean with high-pressure cleaner.

For critical substrates, carry out an adhesion test.

Cover components that are prone to dirt or seal them with waterproof tape. Protect weather-exposed working surfaces from rain.

When exposed to sunlight, hang the scaffold with nets or delay processing.

Check old plasters and paints for load-bearing capacity and adhesion.

Knock out hollow areas and replaster. Remove non-adhesive layers of paint completely.

Clean concrete, paints or old plasters free of dusts with high-pressure water and allow to dry thoroughly.

Solidify chalking or sanding surfaces with **Thermalife® Smart Coating Sealing Primer**.

Outside, floor tiles and walls in contact with the ground must be sealed according to the water exposure class.

## Processing

On highly absorbent substrates or substrates with varying degrees of absorption, apply „wet on wet“ in two steps.

Trim warped plaster with trapezoid featheredge and lattice plaster plane.

Exterior application is only allowed when used as a lower layer plaster.

Application thickness single layer max. 30 mm.

**For layer thicknesses greater than 30 mm, a reinforcement with Reinforcing Mesh 8x8 mm is required and multilayer plastering is necessary.**

For large, highly insulating substrates, such as extruded polystyrene rigid foam boards, three-layer boards, etc., a mesh reinforced layer with **MIG 262** must be applied according to specified drying time.

Reinforcement should be used on all plaster surfaces with a tendency to change shape, e.g. at the corners of all openings or at the connection points of different materials.

**In outdoor areas, diagonal reinforcement must also be installed at all corners of building openings.**

## After-treatment / Coating

### After-treatment:

Protect fresh plaster from frost, rapid drying out and extreme weather conditions such as driving rain.

### Coating:

After curing, it is possible to supplement the system with all **MIG** finish plasters. A full-surface reinforcement layer with **MIG 262** and **Reinforcing Mesh 4x4 mm** should always be carried out, especially:

- on highly weather-exposed surfaces
- for thin-layer finish plasters < 2 mm grain or with surfaces that are washed out or rubbed with a felt float trowel
- for mixed masonry
- for dark facade coatings
- for roof overhang < 40 cm
- for increased moisture stress (also from the substrate)
- for significant irregularities in the plaster base
- for plaster thickness > 30 mm
- at temperatures below + 10 °C

### Further processing:

After completing the plastering work, the rooms must be ventilated regularly and briefly (impact ventilation: airing out with windows wide open) in order to ensure good strength formation and substrate adhesion. High air humidity disturbs the strength development of plasters. Protect the plaster against subsequent moisture penetration (correct ventilation after screed installation)! Plaster that has not yet dried out must be protected against high temperatures (e.g. artificial heating) and frost through suitable measures. When preparing a surface for tiling, the plaster should not be felted but only levelled.

### Silo and machine technology:

Can be processed with all common plastering machines, mixing pumps and by hand. An insulating plaster mixer and hoses with a nominal width of 35 mm are recommended.

## General Information

In case of doubt regarding processing and/or object specifics, ask for advice.

Do not add any foreign substances.

**The standard plaster thicknesses must be observed as a minimum. In particular, the provisions of DIN V 18550, DIN EN 998-1 and DIN 18350 VOB Part C must be observed.**

**MIG Therm M 65** is not suitable for skirting board, for which we recommend **MIG Therm L 14** light plaster instead.

Mortar has a strongly alkaline reaction with water, therefore: protect skin and eyes, rinse thoroughly with water in case of contact, seek medical advice immediately in case of eye contact.

Observe the safety data sheet (current SDS at: [www.mig-mbh.de](http://www.mig-mbh.de)).

In hardened form physiologically and ecologically safe when set.

## Technical Data

Application	exterior and interior
Fire behaviour	A1 (non-flammable), EN 13813
Compressive strength after 28 days	approx. 2.0 N/mm <sup>2</sup>
Compressive strength class	P II according to DIN 18550, CS II according to DIN EN 998-1
Recommended layer thickness	approx. 20 mm
Spread rate	approx. 2,100 L/t
Adhesive tensile strength, min.	≥ 0.08 N/mm <sup>2</sup>
Solid pores - composition	approx. 60 %
Dry bulk density	approx. 0.40 kg/dm <sup>3</sup>
Processing temperature (air)	do not apply when air and/or object temperatures are below + 5°C and above + 35°C or in case of expected night frosts.
Water absorption	> 2,0 kg/m <sup>3</sup> , W0
Water demand	approx. 13.5 L per 15 kg bag
Water vapour permeability	6 μ
Heat conductivity	λ <sub>10, dry</sub> = 0.079 (± 0.003) W/(m*K)
Note	values in the technical data are laboratory values

## Consumption

Layer thickness	mm	10	15	20	25
Consumption	kg/m <sup>2</sup>	4.8	7.2	9.5	12.0
Spread rate	m <sup>2</sup> /t	210	140	105	84
m <sup>2</sup> /15 kg/bag		3.0	2.0	1.5	1.2

(The values refer to flat substrate)

## Storage

At least 6 months shelf life from date of sale if stored dry, frost-free and cool under proper conditions in original sealed containers.

## Disposal

Do not dispose together with household waste. Do not empty into sewerage system.

### **Recommendation:**

Empty bags completely, disposal in accordance with official regulations.

## Packaging

15 kg (per paper bag) x 35 bags (per pallet) = 525 kg

## Customs Tariff Number

32149000

## MIG DHMb® Lining System – Products

### **Coatings**

MIG-ESP® Interior  
 MIG-ESP® Exterior  
 MIG-ESP® Interior Anti-Microbial  
 MIG-ESP® Rooflect

### **Plasters**

MIG 262  
 MIG Therm M 65  
 MIG Therm M 55  
 MIG Thermalife® Ecoplaster  
 MIG-HRP Heat Resistant Protector  
 MIG Therm L 14

### **Primers**

MIG-ESP® Sealing Primer  
 MIG-ESP® Special Primer  
 MIG-ESP® Primer quartz-filled  
 MIG-ESP® PVC Primer  
 MIG-ESP® Primer for Wood (for indoor use only)  
 MIG-ESP® Bitumen Primer

### **Sealing**

MIG Sealer

### **Impregnation**

MIG Impreg. Agent for Natural Stone Facades

**Legal information**

The information in this publication is based on our current technical knowledge and experience. Due to the abundance of possible influences during the processing and application of our products, they do not release the user from carrying out his own tests and trials and are only general guidelines. A legally binding assurance of certain properties or suitability for a specific purpose cannot be derived from this. Any industrial property rights as well as existing laws and regulations must always be observed by the user on his own responsibility.

With the publication of this data sheet, all previous data sheets lose their validity.