

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

MIG Therm L 14

- ✓ low-tension plinth plaster
- ✓ water-repellent
- ✓ water vapour permeable
- ✓ especially for heat-insulating masonries
- ✓ very good thermal insulation properties
- ✓ non-flammable – building material class A1



Product Description

MIG Therm L 14 is a water-repellent ready-mix dry mortar based on cement, fractionated sands, mineral lightweight aggregate and additives for improving processability.

MIG Therm L 14 is a plaster of mortar group P III according to DIN 18550 and strength class CS III according to DIN EN 998-1.

Technical consulting service

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Application Area

Can be used as a special plaster for plinths and basement walls on bricks of stone strength class ≤ 6. For exterior and interior use on all masonry types, concrete and plaster base as a sub-plaster or ready-to-use finish plaster.

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.

Apply **MIG 262** as a bonding agent to concrete and other smooth/non-absorbent substrates.

Cover or waterproof components that are prone to dirt. 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.

In outdoor areas, floor slabs 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.

Ready-to-use plaster is achieved by coating with the same material in grain thickness on the following day and then felting it off. Application thickness single layer 10 - 20 mm, 30 mm limited to individual areas.

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, further processing with all **MIG** finish plasters as well as with tiles and suitable sealants is possible. Thin-layer mineral finish plaster can be applied after a drying time of one day per 1 mm plaster thickness.

If **MIG Therm L 14** is used as a substrate for ceramic wall coverings in a thin-bed with moisture exposure class A0, it only needs to be tapped, cut or roughened and coated accordingly with a composite sealant based on plastic-cement combinations, dispersions or reactive resins.

The plaster surfaces are not allowed to be smoothed or rubbed.

Obtain manufacturer's information for tiles and ceramic coverings on MIG Therm L 14, also in damp rooms.

Further processing:

MIG Therm L 14 can be coated over after a drying time of one day per 1 mm plaster thickness. The time for further coating will extend at lower temperatures and/or higher relative humidity.

Silo and machine technology:

Can be processed with all common plastering machines, mixing pumps and by hand.

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 18550, DIN EN 998-1, DIN 18350 VOB Part C, DIN 18195 and the leaflet "Exterior plaster in the base area" must be observed.

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).

In hardened form physiologically and ecologically safe when set.

Technical Data

Application	exterior and interior
Fire behaviour	A1 (non-flammable), EN 13813
Durability	NPD
Compressive strength after 28 days	approx. 5.0 N/mm ²
Compressive strength class	P III according to DIN 18550, CS III according to DIN EN 998-1
Adhesive tensile strength, min.	≥ 0.08 N/mm ²
Recommended layer thickness	min. 10 mm, max. 20 mm
Spread rate	approx. 800 L/t
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 adsorption	W2
Water demand	approx. 7.0 L per 30 kg bag
Water vapour permeability	μ ≤ 20
Water vapour-diffusion resistance	≤ 20
Heat conductivity (table value according to EN 1745)	λ _{10, dry, mat} ≤ 0.39 W/(m*K) for P = 50 % λ _{10, dry, mat} ≤ 0.43 W/(m*K) for P = 90 %
Note	values in the technical data are laboratory values

Consumption

Layer thickness	mm	5	10	15	20
Consumption	kg/m ²	6.3	12.5	18.8	25.0
Spread rate	m ² /t	160	80	53	40
	m ² /30 kg/bag	4.8	2.4	1.6	1.2

(The values refer to flat substrate)

Storage

At least 9 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

30 kg (per paper bag) x 42 bags (per pallet) = 1,260 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-HRP 280 Bonding Agent
 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.