**MIG DHMb® Lining System**

**Exterior and Interior Application**

# MIG-HRP 280 Bonding Agent

- ✓ water-repellent
- ✓ water vapour-permeable
- ✓ robust bonding strength
- ✓ easy to apply
- ✓ suitable for interior and exterior use
- ✓ suitable for plinths
- ✓ excellent adhesion
- ✓ non-flammable - building material class A1


## Product Description

**MIG-HRP 280 Bonding Agent** is a special cement-based bonding mortar consisting of selected aggregates and adhesiveness-improving additives. It is a plaster of strength class CS IV according to DIN EN 998-1 and mortar group P III according to DIN 18550.

**Technical consulting services**
Tel.: + 49 (0)5258-97482-0
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## Application Area

As a bonding agent on concrete, other smooth and non-absorbent substrates such as XPS-R, etc., for subsequent lime and lime cement renders. Very well suited as a felt plaster for skirting boards and the like.

## Building Site Requirement

The surface to be plastered should meet the applicable standards and adhere to the manufacturer's recommended guidelines. Do not process when the air and/or surface temperature is below + 5° C or above + 35° C, and also when there is a risk of night frosts.

## Substrate Preparation

Cover or waterproof components susceptible to dirt. Protect weather-exposed working surfaces from rain. Hang scaffolding with nets or postpone processing when exposed to sunlight. Assess the load-bearing capacity and adhesion of existing plaster and coatings. Remove hollow spots and re-plaster them, ensuring complete removal of non-adherent paint layers. Clean concrete, coatings, or existing plasters with high-pressure water to eliminate dust and allow them to dry thoroughly. Solidify chalky or sandy surfaces with **MIG-ESP® Sealing Primer**.

## Processing

**Bonding agent:**
Apply the bonding agent horizontally with a coarse-toothed trowel (tooth size approximately 10 mm) as a grooved spatula to form ridges on the substrate. The thickness on the ridges should be approximately 5 mm, and in the valleys approximately 2 mm. Roughen the surface well in a horizontal direction using a street broom. The curing time should be 1-3 days (under normal conditions of + 20° C/65 % relative humidity). To achieve optimal adhesion, the **MIG-HRP 280 Bonding Agent** should stiffen well and be coated with **MIG** plasters within 24 hours (under normal conditions of + 20° C/65 % relative humidity). The time for subsequent coating will be extended at lower temperatures and/or higher humidity levels.

**Thin-layer plaster:**
Apply approx. 3 mm thickness, for concrete surfaces up to 5 mm, spread evenly and trim afterwards. As a final render, apply an additional layer of grain thickness after it stiffens and texture it through felting.

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As of: 05-2024

## After-treatment / Coating

**After-treatment:**
Protect fresh plaster from frost, rapid drying and extreme weather conditions such as driving rain.

**Coating:**
After curing, it is possible to apply all MIG finishing renders, as well as tiles and suitable coatings. If the **MIG-HRP 280 Bonding Agent** is used as a substrate for ceramic wall coverings in thin-bed applications with moisture exposure class A0, it should only be abutted, cut, or roughened, and subsequently coated with a composite waterproofing system based on combinations of synthetic resins, cement, dispersions, or reactive resins. The plaster surface should not be smoothed or rubbed.

**Further processing:**
**MIG-HRP 280 Bonding Agent** can be coated after a curing period of one day per 1 mm of plaster thickness.

**Silo and machine technology:**
Can be processed with all common plastering machines, mixing pumps and by hand.

## General Information

In case of uncertainties regarding processing or specific conditions of the project, seek advice. Do not mix with foreign substances. Compliance with the regulations of DIN 18550 / DIN EN 998-1 and DIN 18350 VOB Part C, DIN 18195, and the information sheet 'Exterior plaster in the base area' is particularly important. The mortar reacts strongly alkaline with water, therefore: protect skin and eyes, rinse thoroughly with water if in contact, and seek medical attention immediately in case of eye contact. Refer to the safety data sheet (current safety data sheet available at: www.mig-mbh.de).
Physiologically and ecologically safe when set.

## Packaging

30 kg (per paper bag) x 42 bags (per pallet) = 1,260 kg

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## Technical Data

| | |
|---|---|
| Application | exterior and interior |
| Fire behaviour | A1 (non-flammable), EN 13813 |
| Durability | NPD |
| Compressive strength after 28 days | approx. 10 N/mm² |
| Minimum bond strength | ≥ 0.08 N/mm² |
| Recommended layer thickness | min. 3 mm, max. 5 mm |
| Processing temperature (air) | do not process at air and/or surface temperatures below + 5° C and above + 35° C, and avoid application when there is a risk of night frosts. |
| Water adsorption | $W_C2$ |
| Water demand | approx. 7.50 L per 30 kg bag |
| Water vapour permeability | μ ≤ 25 |
| Heat conductivity | $\lambda_{10\ dry,\ mat}$ ≤ 0.82 W/(m*K) for P = 50 %<br>$\lambda_{10\ dry,\ mat}$ ≤ 0.89 W/(m*K) for P = 90 %<br>(Tabulated value according to EN 1745) |
| Note | values in the technical data are laboratory values. |

## Consumption

| **Layer thickness** | **mm** | **2** | **3** | **4** | **5** |
|---|---|---|---|---|---|
| **Consumption** | **kg/m²** | 2.9 | 4.3 | 5.7 | 7.1 |
| **Spread rate** | **m²/t** | 350 | 233 | 175 | 140 |
| **m²/30 kg/bag** | | 10.4 | 7.0 | 5.3 | 4.2 |

(The values refer to a flat substrate)

## Storage

At least 12 months shelf life from date of sale if stored dry, frost-free and cool under proper conditions in original sealed containers on pallets.

## Disposal

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

**Recommendation:**
Empty bags completely, disposal in accordance with official regulations.

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## 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.

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