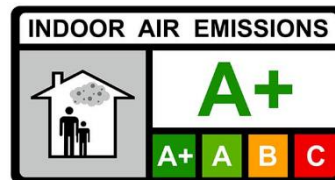


MIG DHMb® Lining System
For interior application

MIG-ESP® Interior

- ✓ natural heating and cooling control (Infrared reflection)
- ✓ more pleasant climate through less heating demand
- ✓ reduces the development of condensation water
- ✓ stable and comfortable room climate
- ✓ awarded the certificate "Medically Recommended for Lodgings" by the Society for Medically Sound Lodgings, Building Hygiene and Indoor Toxicology e.V.
- ✓ for ecologically energetic renovation
- ✓ natural prevention against mould and mildew
- ✓ reduces CO₂ emissions



Product description

MIG-ESP® Interior is an interior coating according to DIN EN 13300 based on the MIG DHMb® Lining technology (DHMb® - double hybrid membrane).

MIG-ESP® Interior can be applied with a paint roller, brush or airless spraying equipment.

MIG-ESP® Interior can be used with the appropriate primer on a variety of substrates in the entire indoor area.

The MIG color chart gives you a wide range of colors to choose from.

Technical consultation services

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www.mig-esp.com



Processing and substrate pretreatment

MIG-ESP® Interior is quick-drying and odorless during processing, which also allows application during room use.

Before processing, the material must be stirred mechanically for approx. 3 minutes. Cover all adjacent components well or protect against splashes.

MIG-ESP® Interior should be applied evenly with a suitable roller, brush or appropriate airless spraying tools. The nozzle size should be between 0.036" (0.91 mm) and 0.045" (1.04 mm) depending on use. MIG-ESP® Interior must **not** be mixed with other materials during processing with roller or brush. When using injection tools, a dilution with drinking water or MIG-ESP® Primer of max. 5% is recommended for better processing. The object and ambient temperature must not be below +5°C and not above +30°C during application. A superficial drying is already achieved after approx. 30 minutes. The through-drying time per coating process is approx. 24 hours under normal conditions (+20°C/65 % humidity). Lower temperatures and higher humidity extend the through-drying time.

The substrate must be dry, solid, free of dust and loose parts or separating agents. For absorbent substrates, a priming coat of MIG-ESP® Primer is required. Pre-treatment with MIG-ESP® Sealing Primer is necessary to prevent visible discoloration of the substrate. For metal, concrete and gypsum surfaces we recommend MIG-ESP® Special Primer as an adhesive bridge. It is generally necessary to apply MIG-ESP® Sealing Primer twice for highly absorbent surfaces such as stucco plaster, porous lightweight concrete, aerated concrete, mineral insulating plaster, foamed concrete, foam glass, silicate and insulating boards.

➤ A layer thickness of 0.4 mm is required to achieve the full effectiveness of the MIG DHMb® Lining Technology! If MIG-ESP® Interior is applied with a roller or brush, experience has shown that two coating processes are necessary for the required layer thickness. When processing colored MIG-ESP® Interior, MIG-ESP® Interior must be used for the first coating process in white, the second coating is then applied in color.

Any structural defects or damages must be remedied before application!

Coating procedure

1. Substrate preparation	The substrate must be dry, free from dust, loose parts and release agents.
2. Apply primer	depending on substrate, apply MIG-ESP® Primer/Sealing Primer, plaster strengthener - allow to set for approx. 1 hour
3. Stir	Stir MIG-ESP® Interior for approx. 3 minutes with an electric stirrer until the consistency is creamy, thixotropic
4. First coat	Distribute MIG-ESP® Interior white evenly in a crosswise pattern and then roll in one direction in the final step.
5. Drying time	24 hours drying time between both coats.
6. Second coat	Spread MIG-ESP® Interior colored or white evenly in a crosswise pattern and then roll in one direction in the final step

Technical properties

solvent-free (see ECO-Report), environmentally friendly and odorless

for longer open times (e.g. at high temperatures) it can also be diluted by up to 5 % with MIG-ESP® Primer

water-repellent, microporous and non film-forming

highly water vapour permeable (sD value 0,06 m ± 0,02 according to EN ISO 7783-2)

capillary water absorption, w-value after 24 hours 0,05 Kg/m²h^{0.5} according to DIN EN 1062-3

wet abrasion class III

opacity class II at approx. 0.25 l/m²

degree of whiteness: Y = 85 (± 2.5)

gloss grade: matt (DIN 53778), pH-value 9.0 (± 1.0)

density 1.05 g/ cm³ (± 0.1)

viscosity: 2200 mPas (± 500)

degree of reflection > 90 % with white coating

crack-filling up to approx. 0.5 mm

Consumption

Depending on the type and absorbency of the substrate, approx. 0.4 l/m² with two coats on smooth surfaces.

➔ **Rough, structured or highly absorbent surfaces can significantly increase consumption. Exact consumption quantities are to be determined by creating test areas.**

Cleaning

Clean tools thoroughly with water after use. The containers must be emptied completely and recycled.

Storage

Protect against frost. Can be stored for at least 12 months in original sealed containers. See imprint for date of manufacture.

Delivery form

5 / 15 liters plastic buckets

1000 liters IBC

Customs tariff number

32099000

MIG DHMb® Lining System - Products

Undercoats

MIG-ESP® Primer
MIG-ESP® Sealing Primer
MIG-ESP® Special Primer
MIG-ESP® Primer filled with quartz
MIG-ESP® Wood Primer

Plasters

MIG 262
MIG M 65

Coatings

MIG-ESP® Interior (**Inside**)
MIG-ESP® Exterior (**Outside**)

Warranty

We give a 10-year quality guarantee on our Interior coating **MIG-ESP® Interior**. This warranty applies exclusively to the product applied to the surfaces by professional painters and not to the related services in compliance with our warranty conditions.

For the warranty form visit our website at

www.mig-esp.com/warranty



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.