MIG DHMb® Lining System
For exterior application

MIG-ESP® Rooflect

Product description

MIG-ESP® Rooflect can be applied with paint rollers, brushes or MIG-Zip 52 spraying unit.

MIG-ESP® Rooflect can be used with an appropriate primer on a variety of substrates in the entire outdoor area. **MIG-ESP® Rooflect** is the finish coat for **all modern flat roof constructions**. Further areas of application include renovations on all paint-bearing substrates and on old and new insulation facades. **MIG-ESP® Rooflect** must not be used on surfaces that are under water for a long time. The gradient must be at least 2 %.
The **MIG-ESP®**- colour chart offers a wide range of colour options.

Technical consultation services
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Processing and substrate pretreatment

MIG-ESP® Rooflect is fast-drying and odourless during application.
Before processing, stir the material mechanically for approx. 3 minutes. Cover all adjacent compo-nents well or protect against splashes.
Do not use in direct sunlight, rain or high relative air humidity.
MIG-ESP® Rooflect evenly should be applied with suitable rollers, brushes or the Zip 52 spray tool. The nozzle size should be 2.5 mm. Do <u>not</u> mix **MIG-ESP® Rooflect** with other materials during processing with rollers or brushes. When using spray tool, a dilution with drinking water or **MIG-ESP® Sealing Primer** of max. 5 % is recommended for better processing. The object and ambient temperature must not be below + 8°C and not above + 35°C during application. Shade from the sun whenever possible when exposed to summer temperatures. Surface drying can be achieved after only approx. 30 minutes. The dry-through time for each of the two coating

processes is approx. 24 hours under normal conditions (+ 20 °C/65 % relative air humidity). Lower temperatures and higher relative air humidity may extend the dry-through time.

The substrate must be dry, solid, free of dust and loose parts or release agents. On absorbent substrates, a priming coat with **MIG-ESP® Sealing Primer** or plaster hardener is required. To avoid discolouration of the substrate, it is also necessary to give a pre-treatment with **MIG-ESP® Sealing Primer**. For metal and concrete surfaces, cement fiber boards as well as contaminated, penetrating substrates we recommend **MIG-ESP® Special Primer** as a bonding agent.

A layer thickness of 0.4 mm is required to achieve the full effectiveness of the MIG DHMb® Lining Technology! When applying MIG-ESP® Rooflect with a roller or a brush, experience has shown that two coats are necessary for the required layer thickness. When applying tinted MIG-ESP® Rooflect, MIG-ESP® Rooflect, White must be used as the first coat prior to the second coat which is tinted.
Any structural defects or damages must be remedied before application!

Coating procedure

1.	Substrate preparation	Substrate must be dry, free of dust, loose parts and release agents.
2.	Apply primer	Depending on substrate, apply MIG-ESP® Sealing Primer or plaster strengthener. Allow to set for approx. 1 hour
3.	Stir	Stir MIG-ESP® Rooflect with an electric stirrer for approx. 3 minutes until the texture is creamy, thixotropic
4.	First coat	Spread MIG-ESP® Rooflect, White evenly **in a crosswise motion** and as a final step, roll in one direction
5.	Drying time	24 hours drying time between both coating processes
6.	Second coat	Spread MIG-ESP® Rooflect, White or tinted evenly **in a crosswise motion** and as a final step, roll in one direction

Technical data

solvent-free, environmentally friendly and odourless

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

water-repellent, microporous and non film-forming

building material class A2 (non-flammable), DIN 4102, Part 1 (May 1998)

highly water vapour permeable (sD -value 0.05 m ± 0,02 according to EN ISO 7783-2) equivalent to V1

capillary water absorption w-value after 24 hours 0.05 Kg $m^2h^{0.5}$ according to DIN EN 1062-3 (W3)

highly resistant to UV-A

Consumption

Depending on the type and porosity of substrate, approx. 0.2 - 0.3 L/m² with a single coat of paint.

Rough or highly absorbent surfaces can increase consumption. Exact consumption quantities can be determined by creating test areas.

Cleaning

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

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. Tinted goods must be processed within 3 months.

Packaging

5 L (per plastic bucket) x 60 buckets (per pallet) = 300 L
15 L (per plastic bucket) x 24 buckets (per pallet) = 360 L
1,000 L IBC

Customs tariff number

32099000

MIG DHMb® Lining System – Products

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)

Impregnation
MIG Impregnating Agent for Natural Stone Facades

Sealing
MIG Sealer

Plasters
MIG 262
MIG Therm M 65
MIG Therm L 14
MIG HRP (heat resistant protector)
MIG Thermalife Ecoplaster

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

Legal information

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