

EM solar paint

Solar-active exterior paint

Product description

High-performance exterior paint with high percentage of silicone resin binder based on modified silicone resin emulsions.

EM solar paint is designed to be applied over cured cementitious render facades.

EM solar paint contains ultra-fine hollow glass microspheres which moderate the temperature and moisture ratio – properties that also help save energy.

Available in any colour.

Properties

- Energy-saving effect
- Heat-reflecting in summer
- Heat-absorbing in winter
- White or any colour on the EM shade card
- Water-repellent
- Outstanding coverage
- Highly water vapour permeable
- Weather-resistant
- Easy to apply
- Low surface tension
- Low contamination tendency
- Micro-porous and non-film forming
- Matt gloss level

Substrates

EM solar paint is a solvent-free facade paint with a mineral structure. It is suitable for application over uncoated cementitious and mineral based facade coatings.

Ensure the substrate surfaces are sound, dry and free from dirt, loose particles or release agents (e.g. formwork oil). Do not paint in object or ambient temperatures below 5°C or excessive heat above 30°C. Allow approx. 12 hours to dry at standard conditions (+20°C/65% relative humidity). Lower temperatures or higher humidity may increase drying time.

Application

EM solar paint should be diluted with max. 5 % water for first and/or intermediate coat and with max. 2 % water for finish coats.

EM solar paint can be sprayed, brushed or roll applied.

Cut in edges of openings, reveals, soffits and other relevant areas using a brush. Ensure the paint is spread out adequately so no build-up occurs.

Using a roller apply EM solar paint in an even coat ensuring good coverage.

Allow to dry between coats and repeat the process.

Practical note

Do not apply in direct sunlight, rain or when the relative humidity is too high.

Contact us for technical support if you have questions regarding the application, substrate or special design features

Attention

Do not mix with different materials.

Stir thoroughly before use.

Cover adjacent areas to protect against paint splashes.

Thoroughly clean tools and equipment with water after use.

Make sure to completely empty the bucket, then recycle with other plastic materials.

Coverage rates

Approx. 0.2-0.3 l/m² per coat depending on the type of substrate and its absorption.

Note: Rough surfaces may increase the amount of paint required.

A test patch is recommended to determine the exact coverage rates.

General information

EM paint systems for exterior walls are formulated to ensure maximum protection against algae and mould growth. Whether and to what extent algae and mould grows on walls depends largely on local circumstances and prevailing conditions. Thanks to its superior surface texture, EM solar paint ensures surfaces are much dryer, thereby inhibiting algae and mould growth.

Technical specifications

Solvent-free, water-soluble (max. 2-5%), eco-friendly and virtually odourless

Water-repellent, micro-porous and non-film forming

Highly water vapour permeable (S_D value 0.05 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

Gloss level: matt (DIN 53778), pH value 9.0 +/- 1.0

Density 1.05 g/cm³ +/- 0.1

Viscosity: 1640 mPas +/- 500

Level of reflection > 80%

Storage

Protect from frost or freezing temperatures. Shelf life is at least 12 months when stored in original, unopened containers.

For date of manufacture, see printed information.

Availability

In 15 / litre buckets.

Documents

[Material Safety Data Sheet](#)

Health and Safety

Essentially non-hazardous.

Not harmful under normal conditions.

After contact with skin, wash immediately with plenty of water.

In case of contact with eyes, rinse immediately and seek medical advice.

Keep out of reach of children

Dispose of in an environmentally responsible manner.

www.ezymix.co.nz

Legal notices

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