Miropan-Grundiermittel LEF

Ultradisperse silicone resin-based primer for the solidification of absorbent substrates. Ideal for following silicone resin based coatings.

Product characteristics

Properties	• High penetration depth • High solidification of the substrate • Regulation of the absorptivity • Ready-for-use • Water thinnable, if necessary • Solvent- and plasticizer-free • High penetration depth • Diffusion capable
Areas of application	Exterior and interior
Suitable substrates in detail	Medium to heavily absorbent substrates

Material description

Binder	Hydrosol Silicone resin emulsion
Density	approx. 1.0 kg/l kg/l
Average consumption (short text)	approx. 100 - 250 ml/m²
Average consumption	It is advisable to determine the exact consumption figure by producing a sample area.
Colour shade	Transparent
Gloss level	Silk-mat
Storage	Cool, but protected from frost
Thinning	Water

Substrates

Suitable substrates	Adherent, absorbent, mineral and organic existing paint coatings All usual mineral substrates (plasters/renders, concrete, masonry)
Substrate conditions	The substrate must be clean, dry, frost-free, firm and sound as well as free from efflorescences, algae, moss, fungal attack, sinter layers and release agents. Follow the building regulations (in Germany VOB, Part C, DIN 18363, Section 3).
Substrate conditions	**Concrete** Remove forming oil, grease and wax by washing with surfactant. Remove any sintered layers mechanically. Check the absorbency of the concrete by wetting tests. In addition, the guidelines according to BFS Fact Sheet No.1 apply for exterior coatings and the guidelines according to BFS Fact Sheet No. 8 for interior coatings.

ALLIGATOR FARBWERKE GmbH | Markstraße 203 | 32130 Enger | Tel.: +49 5224 930-0 | info@alligator.de

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Base renders (exterior):
Mineral base renders must be thoroughly cured and dry, because otherwise discolouration, in particular with tinted following coats, may occur. As a rule of thumb assume 1 day drying time per mm of layer thickness, but correspondingly longer at low temperatures and high humidity. Excessive temperatures and low humidity also lengthen the setting process. Treat replastered locations with fluosilicate. In addition, the guidelines according to BFS Fact Sheet No. 9 apply.

Fibre-cement:
Products of fibre-cement have to be primed water based. On exterior surfaces solvent-based primers may be used as well. For constructions showing inaccessible and uncoated rear sides and edges do only use water vapour permeable coatings. Since 01.12.2012 uncoated fibre-cement panels containing asbestos must no longer be coated according to the Ordinance on Hazardous Substances (GefStoffV). For asbestos containing fibre-cement the corresponding directives (in Germany TRGS 519) referring to the handling with asbestos have to be observed.

Aerated concrete - interor:
In case of rooms of high humidity, external walls have to be additionally treated by a moisture guard, applied onto their insides. This can be effected applying a two-component coating like e.g. Hydropox. In addition the guidelines of BFS Fact Sheet No. 11 apply.

Base renders (interior):
Mineral base renders must be thoroughly cured and dry, because otherwise discolouration, in particular with tinted following coats, may occur. As a rule of thumb assume 1 day drying time per mm of layer thickness, but correspondingly longer at low temperatures and high humidity. Excessive temperatures and low relative humidity also lengthen the setting process. Treat replastered locations with fluosilicate. In addition, the guidelines according to BFS Fact Sheet No. 10 apply.

Application

Application method	Application by brush, roller or spraying
Spraying data	Spray pressure in bar: 140 (120) / spraying angle: 40° / nozzle size in inch: 0,017 / sieve size in mesh: 60
Application	The material can be applied by brush, roll or spraying. With prime coats it is recommended that the material is brushed into the substrate using half-length brushes. The primer must not form a closed, shiny film. If necessary, thin with water. Strongly absorbent substrates need to be primed twice wet-on-wet. With slightly absorbent substrates the material can be mixed with up to 10% of the product to be used for the following coating works.
Application hints	Do not apply under a glaring sun, during strong wind or on warm substrates.
Note	The figures given for parameters are average values. Due to the use of natural raw materials in our products, the actual value determined on the individual supplied product may differ slightly without affecting its suitability. These date refer to the white respectively standard product. Tinting may cause deviations.
Practical hints	**Masking Works** Always use UV-resistant adhesive tapes for exterior works. On completion of the coating, particularly with dispersion paints and / or higher layer thicknesses, immediately remove adhesive tapes, in order to avoid untidy contours.
Temperature limit	Between + 5° C and + 30° C for substrate and ambient air during processing and drying.
Drying time	At + 20° C for substrate and ambient air and 65% relative humidity (RH), allow to dry for approx. 8 hours. Lower temperature or a higher humidty extend the drying time.
Tool cleaning	Immediately after use with water

Information

Hazard statements and safety advice	May cause an allergic skin reaction. If medical advice is needed, have product container or label at hand. Keep out of reach of children.Do not get in eyes, on skin, or on clothing. Wear protective gloves/ eye protection.If on skin: Wash with plenty of soap and water.**Contains**: 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one, mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1).
Declaration of ingredients	Polyacrylate dispersion, water, additives, preservatives (methylisothiazolinone, benzisothiazolinone)
Observe safety data sheets	Further details: See Safety Material Data Sheet (MSDS)

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Category VOC	EU limit value for the VOC contents of this product: (Category A/h) 30 g/l (2010). This product contains max.
VOC content (in gram per litre)	<1 g/l
WHC	1 (weakly water-polluting)
Waste disposal	Only completely emptied containers should be given for recycling. Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried hardened product residues as construction site/demolition/ municipal or domestic waste.

Container size

Content	EAN code	Article no.
10 L	4002822003708	731721

System specific and system completing products

Miropan-Elast

Miropan-Universal

Miropan-Klassik

This data sheet cannot deal with all types of application arising in practice. Therefore, we cannot be held responsible for their content. These instructions do not release the purchaser / applicator from his responsibility of professionally examining the substrate and determining the suitability of the product in consideration of the project characteristics. In case of queries please request the technical assistance of ALLIGATOR FARBWERKE.

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