

# SOLAMENT REFLECT<sup>®</sup> E

ACRYLIC PAINT EXTERNAL

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## TECHNICAL DATA SHEET

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aerodurit **SPECIALISED**

# SOLAMENT REFLECT<sup>®</sup> E

**Advantages**

- Strong heat reflection effect through thermal pigmentation ✓
- Dirt-dissolving (photocatalysis) ✓
- Breathable ✓
- Very supple, good coating properties ✓
- Washable and light-resistant ✓

**Special Applications**

- Facade paint ✓



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aerodurit® SOLAMENT REFLECT E is a water-based, permeable, fibre-reinforced facade paint based on plasticizer-free acrylic dispersions. Contains thermo-insulating and thermo-regulating pigments. Highly weatherproof and resistant to harmful environmental influences.

#### PROPERTIES

Breathable, excellent moisture- and climate-regulating properties, strong heat reflection effect, improves thermal insulation and retention values, water-repellent, dirt-dissolving (photocatalysis), environmentally friendly, washable, acid- and light-resistant, very supple with good coating properties and easy to apply.

#### APPLICATION

aerodurit® SOLAMENT REFLECT E Acrylic Paint is designed for use as a heavy duty preventive measure for adverse climatic conditions. In summer, aerodurit® SOLAMENT REFLECT E reflects the heat radiation and thus reduces the heat build-up within the living space. For mineral substrates such as plaster, concrete, wood and sound old coatings as well as substrates suitable for emulsion paints (Fermacell etc.). The guidelines of VOB, part C / DIN 18363, paragraph 3 and the respective BFS leaflets must be observed.

#### SUPPLY FORM

Trading Unit	Delivery Unit
5 L bucket	64 pcs. / Euro pallet
10 L bucket	30 pcs. / Euro pallet
15 L bucket	16 pcs. / Euro pallet

#### PRODUCT YIELD

Undiluted per application from 150 ml/m<sup>2</sup>, per litre 4-6 m<sup>2</sup> (depending on substrate structure and absorbency). The actual consumption can be determined by means of a test coat.

#### TECHNICAL DATA

Water absorption w24 (kg/m <sup>2</sup> 24 h)	0.10
Water vapour permeability sd (m)	ca. 0.015 kg/m <sup>2</sup> 24 h
Water vapour diffusion equivalents air layer thickness	ca. 1.1 m
Application temperature (ambient air, object and material)	+ 5 °C to + 30 °C
VOC threshold value	Cat. A/cWb = 40 g/l (2010)
VOC maximum content	1 g/l
Grain grade in compliance with DIN EN ISO 2431	Fine
Wet abrasion class in compliance with DIN EN 13300	Class 2
Coating ability	Class 2
Gloss in compliance with DIN EN ISO 2813	Matt
Fire resistance	A1 / non-combustible



#### PREPARATION AND MIXING

aerodurit® SOLAMENT REFLECT E Acrylic Paint can be applied directly after **thorough stirring**. If necessary, stir repeatedly during application. For use as a primer, can be diluted up to 5% with fresh water (for absorbent substrates – see Surface Pretreatment).



#### COLOURING

White. Tint only with suitable tinting concentrates. Numerous factory-made colour tints derived from the NCS colour system are available.



#### NOTES AND PRECAUTIONS

Carefully cover the area around the surface to be coated. Wear gloves and safety goggles (not glasses). Avoid skin and eye contact. Remove splashes immediately with plenty of water. Clean tools thoroughly with water immediately after use. Do not use in direct sunlight, rain, strong wind, when there is a risk of frost or a relative humidity above 80%. Always use paint from the same batch to achieve a uniform appearance. Do not mix with other colours.

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### SURFACE PRETREATMENT

Newly plastered surfaces must be completely cured, respectively carbonated (e.g. lime plasters, see technical data sheet manufacturer). Cracks in the substrate must be professionally repaired beforehand. All substrates must be clean, dry, stable, free of dust, blooming and separating agents. Remove sinter skin. Substrates that cannot be consolidated or provide insufficient adhesion must be completely removed. Chalking, crumbly and absorbent substrates have to be stabilised by suitable measures (use an adhesive primer, then apply a diluted primer coat – see Preparation and Mixing). If in doubt, apply a trial coat.



### PROCESSING

Ensure uniformity in the application and distribution of the material in order to achieve the layer thickness to ensure the functionality. Apply the paint with roller, brush or spray gun. For airless spraying, if possible, attach a filter in front of the intake manifold. Two coats are necessary. Dust-dry and re-paintable after ca. 2 hours, weatherproof after ca. 3 hours (at +20 °C and 65 % relative humidity).

Protect freshly painted surfaces from direct sunlight, driving rain, frost etc.

### STORAGE

Store weatherproof and frost-free on wooden pallets in a cool, dry room. Reseal opened packaging immediately. Closed packaging has a shelf life of 8 months from the production date under proper storage conditions. Keep out of the reach of children.

### DISPOSAL

Allow paint residues that are no longer required to dry completely and dispose of them like household waste or hand them over for disposal. Hand over liquid material for disposal. Waste code no.: 08 01 12. Local regulations are to be observed and complied with.

For further details please refer to the safety data sheet.

The specifications contained in this technical data sheet are based on years of proven experience by the company aerodurit<sup>®</sup>. A liability for the general validity of the individual data and recommendations, must, however be ruled out due to the varying processing conditions, as the application and processing methods are beyond our control.

The general rules of construction engineering must be adhered to. The data of internal or third-party monitoring may vary on the construction site due to processing methods, intensity of the mixing, technical specifications of the machines, adhesion of the substrate, application thickness, environmental influences, and the age of the material (refer to »Forschungsgemeinschaft Kalk und Mörtel e.V.« (research community lime and mortar), Report on norms, practical experience and theory, »26th Aachener Baustofftag«).

Previous data sheets become void through the publication of this data sheet. Stay up-to-date! Refer to [www.aerodurit.com](http://www.aerodurit.com) for the most current version of our data sheets.