

Sigma Coatings BV

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November 1996

**DESCRIPTION**

A waterborne clear coating based on an acrylic dispersion.

**USE**

Clear finish on concrete and stony façades.  
Provides protection against carbonation of (ornamental) concrete and natural stone.  
Cannot be used on dark substrates.

**PRINCIPAL CHARACTERISTICS**

Milky liquid that dries to a clear film.  
Good resistance to carbon dioxide diffusion.  
Water-vapour permeable.  
Provides a water repellent layer on stony surfaces.  
Insulation properties of exterior walls will be increased after application of Sigmafaçade clearcoat due to its hydrophobic characteristics.  
Risk of damage bij frost, efflorescence, algae and fungus growth will be reduced.

**COLOURS AND GLOSS**

Colourless.  
Flat.

**BASIC DATA****Determined at 23°C and 50% R.H.**

Mass density : approx. 1,0 kg/dm<sup>3</sup>  
Solids content : approx. 25% by weight  
Tack free after : approx. 3 hours  
Recoat after : approx. 16 hours  
Shelf life : at least 24 months, if stored in original well closed packing in a cool and dry place kept from frost.  
Flashpoint : not applicable; > 65°C

**PHYSICAL PROPERTIES**

CO<sub>2</sub> vapour diffusion resistance : Sd,20 = 90 m  
H<sub>2</sub>O vapour diffusion resistance : Sd,20 = 0,06 m

**CONSUMPTION**

Consumption depends on the nature, shape and condition of the substrate.

**Consumption indication**

Smooth surfaces : 2 coats of 100 ml/m<sup>2</sup> each  
Course/absorbing surfaces : 2 coats of 500 ml/m<sup>2</sup> each

**APPLICATION CONDITIONS**

Substrate and ambient temperature during application and drying must be above 5°C.  
Substrate must be fairly dry.

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**SUBSTRATE  
PRETREATMENT****Bare substrates**

Remove all contaminations till clean and sound substrate.  
Remove also laitance if present.

**INSTRUCTIONS  
FOR USE****Airless spray**

Thinner : None  
Nozzle orifice : 0,011 inch (= approx. 0,28 mm)  
Nozzle pressure : 10-12 MPa (= approx. 100-120 atm.)

**Brush**

Thinner : None

**Cleaning**

Tools : fresh water, immediately after use.

**SAFETY  
PRECAUTIONS**

See information sheets 1430 and 1431.  
See corresponding safety data sheet for e.g. LEL and TLV values.

**ADDITIONAL DATA**

Sigmafaçade clearcoat absorbs little water.  
Prolonged contact with water may therefore result in white patches that will disappear while drying.

**REFERENCES**

Conversion tables 1410  
Explanation of product data sheets 1411

Sigma Coatings BV, P.O. box 42, 1420 AA Uithoorn, Telephone: +31(0)297-541911, Telefax: 31(0)297-541903.  
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