

Product Data Sheet – Structherm ClassicPro Silicone Paint

1. CHARACTERISTICS

1.1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

Product Range: Structherm Finishes
Data sheet applies to:
Structherm ClassicPro Silicone Paint

1.2 DESCRIPTION

Structherm ClassicPro Silicone Paint is a paint for external surfaces based on acryl-siloxane resins in aqueous emulsion, inorganic pigments and micronized fillers.

1.3 CHARACTERISTICS

- Paint for exterior walls containing acryl-siloxane resins in water emulsion, quartz, inorganic pigments and micronized fillers.
- Good water repellence and high permeability to water vapour.
- Outstanding adhesion on all old and new surfaces.
- Thanks to its specific formulation, the product is easy to apply.
- The type of binder used makes the product resistant to alkali and adverse weather conditions.
- Great stability also on walls particularly exposed to sunlight and bad weather, thanks to the use of light and alkali-resistant pigments.
- The product contains special film preservatives that protect the coating from algae and fungi formation.

1.4 SUITABLE SURFACES

- New, cured, homogeneous, rendered wall surfaces
- Wall surfaces based on cement, lime cement mortars, already painted or partially degraded:

1.5 AVAILABLE COLOURS

- Structherm ClassicPro Silicone Paint is available in white and in the colours presented in the Structherm Collections: Colourplan 1 and Colourplan 2.
- Other colours can be obtained by using the tinting system

1.6 CLASSIFICATION (UNI 8682)

- B.4.C.0.A.2.FC
One-component, physical drying, matt, acrylic-siloxane finishing paint in aqueous dispersion.

1.7 VOC CLASSIFICATION – 2204/42/EC DIRECTIVE

- Paints for exterior mineral walls.
- EU limit value of VOC for Structherm ClassicPro Silicone Paint (cat. A/c): 40 g/L (2010). Structherm ClassicPro Silicone Paint contains 40g/L of VOC maximum.
- In accordance with the Legislative Decree n. 161/06 the VOC values mentioned on packages refer to the specified dilutions and diluents and to products painted respecting the formulations suggested by us.

1.8 SELLING FORMATS

- Structherm ClassicPro Silicone Paint is available in 14L and 5L format.

2. OTHER TECHNICAL DATA**2.1 CHARACTERISTICS**

CHARACTERISTICS	20°C AND 60% R.H. DATA	METHOD
Appearance and finish	Matt	
Density	1,360 - 1,500	UNI 8910
Brookfield Viscosity	15000 - 20000 cps	ASTM D 2196
Spreading rate per coat	12 - 14 m ² /Lt	ISO 7254
Flash point	Not flammable	UNI 8909
Treatment with a cycle of 4h UV/60°, 4h condensation/40°C UV-B lamp, fibrocement surface pre-treated with Isolfless MV	It keeps the colour for 1200 hours of UV/condensation (according to ISO 7724). It resists crumbling for 1200 hours of UV/condensation (according to ISO 4628/6)	
Water Vapour Diffusion WDD	➤ 150 g/m ² in 24hr	ISO 7783-2
Water Vapour Diffusion Resistance SD (Film Thickness 160 D.F.T)	0.06m Classel (high according to EN 1062-1)	ISO 7783-2
Shelf Life (In a cool, dry place)	At least 24 months	UNI 10154
Permeability to water vapour μ	$\mu = 375$	
Dry to touch (h)	Max 1	
Hard Dry (h)	Max 24	
Dry to recoat (h)	4-8	
Roller Application % in Volume	First Coat: 20% with water Second Coat: 10% with water	
Brush Application % in Volume	First Coat: 20% with water Second Coat: 10% with water	
Airless spray application* % in Volume	10% with water	
Spray application nozzle	LTX 419/HAD 329 (airless pump Graco)	
Spray application pressure *Bar	140/150	

* For spray application it is advisable to check configuration to be set with the airless pump supplier.

2.2 APPLICATION

Application Tools Brush, Roller, Airless Spray.

SURFACES	PREPARATION	Primer	FINISH
New, cured homogeneous, rendered wall surfaces	Carefully clean the surface removing all traces of dust. Check that the wall is perfectly dry.	Apply a coat of Structherm ClassicPro Primer and wait for 24 hours.	Apply 2 coats of Structherm ClassicPro Silicone Paint
Wall surfaces based on cement, lime cement mortars, already painted or partially degraded	Paints: Remove all traces of dirt, detachable paints and efflorescences (if any) Old Coatings: Remove the paint and wash the surface	Apply a coat of Isofless MV or ClassicPro Primer and wait 24 hours.	

2.3 CLEANING TOOLS

- Clean tools with water after use

WARNINGS:

- Do not apply on sunny surfaces or in case the ambient temperature or that of the substrate is forecast to be below +5°C or over +35°C in the first 24 hours after application; the relative humidity must not be superior to 80%.
- Do not re-apply the product over dry surfaces.
- Apply the product over homogeneous substrates. Complete the application on the same facing without interruptions to avoid the joints with the dry product. In case of wide surface plan suitable interruptions near waterspouts or technical joints.
- Apply the second coat after at least 8 hours.
- After application, surfaces must be protected from heavy rain for at least 48 hours.

2.4 RESISTANCE TO RAINWATER

- The product completes its drying and polymerizing process within 8-10 days in ideal ambient conditions (+5°C / +35°C; R.H. max. 85%)
- Should the product undergo sudden rainfall during this period of time, translucent and sticky sagging could appear. This temporary phenomenon does not alter the technical characteristics of the product and could be easily eliminated with a water pressure washing or by the following rainfalls.

2.5 SAFETY PRECAUTIONS

- Safety information for users are included in the corresponding Material Safety Data Sheet.
- Empty containers or with traces of dried product must be disposed of according to local regulations.
- Store the product in its original sealed containers protected from frost and sunshine.

All of the technical data contained herein is based on our knowledge and experience, are indicative and are not a guarantee of results. The data and methods given in these technical specifications may be changed at any time based on changes in production technology. Application of the product is beyond our control and is therefore at the sole responsibility of the customer. Structherm Ltd can be contacted for any further information. THESE TECHNICAL SPECIFICATIONS DELETE AND REPLACE ANY PREVIOUS EDITIONS.