

## Product Safety Data Sheet

Classification according to Regulation (EC) No 1272/2008

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### 1. CHARACTERISTICS

#### 1.1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

Product Range: Structherm Finishes

Data sheet applies to:

Structherm ClassicPro Silicone 1.5mm

#### 1.2 MAIN CHARACTERISTICS

Structherm ClassicPro Silicone 1.5mm is a continuous wall coating with a medium troweled texture, for exterior wall coatings based on acrylic-siloxane copolymers in aqueous emulsion, oxide pigments, marble grain and sands. The product has good adhesion properties, an excellent resistance to alkali and atmospheric agents, colour stability even on walls particularly exposed to sunray and aggressive weather conditions. It is the ideal product to be used on rendered cement mortars or equivalent, precast concrete with a compact, uniform and even surface. Structherm ClassicPro Silicone 1.5mm is part of thermal insulating systems "Thermophon PV" which benefits of ETA 10/0369, "Thermophon mineral" which benefits ETA 12/0217 and "Thermophon natural" which benefits of ETA 12/0216.

Structherm ClassicPro Silicone 1.5mm contains special preservatives, which give to coating, proactive protection from the formation of algae and fungi.

#### 1.3 TINTING SYSTEM

It is possible to tint Structherm ClassicPro Silicone 1.5mm with our tinting system. As finishing coat on External Wall Insulation Systems, it is advised to use colours with a trichromatic component Y (index of clarity directly related to the index of reflection of light) greater than 25.

#### 1.4 CLASSIFICATION (UNI EN 15824)

Specification for external and internal plasters based on organic binders. System of attestation of conformity 4. System 3 for reaction to fire.

#### 1.5 VOC CLASSIFICATION (DIRECTIVE 2004/42/CE)

Paints for exterior walls on mineral supports

EU limits for Structherm ClassicPro Silicone 1.5mm (cat. A/c): 40g/L (2010) Structherm ClassicPro Silicone 1.5mm contains maximum 40 g/L VOC.

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**2. OTHER TECHNICAL DATA****2.1 CHARACTERISTICS**

CHARACTERISTICS	20°C AND 60% R.H. DATA	METHOD
Appearance and finish	Matt	
Density	1.920 – 2.000 g/ml	UNI 8910
Viscosity	Paste	
Spreading rate per coat	2.5- 3.0 m <sup>2</sup> /Lt	ISO 7254
Recommended dry film thickness per coat mm	1.5	
Flash point	Not flammable	UNI 8909
Treatment with 4h UV/60o cycle, 4h condensation/40°C UV-B lamp, fiberglass support previously treated with Isolfless MV	Preserves colour for 1200 hours of UV-condensation (as per ISO 7724). Resists chalking for 1200 of UV-condensation (as per ISO 4628/6)	ASTM G 53
Resistance to water diffusion SD (Film thickness: 160 D.F.T)	0.06m Class I (high as per EN 1062-1)	ISO 7783-2
Water Vapour diffusion: WDD	>150 g/m <sup>2</sup> in 24hrs	ISO 7783-2
Shelf life	At least 24 months (in a cool and dry place)	UNI 10154
Hard dry	Max 24 h	
Dry to recoat	24 h	
Exteriors/Interiors	For Exteriors	
Colours	White, Colours with out tinting system	
Tool cleaner	Water	
Thinner	Water	
Trowel Application Volume %	Ready to use	

## 2.2 APPLICATION

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 primer and wait 24 hours	Apply one (1) coat of Structherm ClassicPro Silicone Paint
Wall Surfaces based on cement, lime cement mortars, already painted or partially degraded	<p>-Paints: remove all traces of dust, all parts not perfectly anchored and all efflorescence.</p> <p>-Old coatings: apply a paint remover and wash the surface with a vapour cleaning equipment. In the presence of mould, treat the wall.</p>	Apply a coat of ISOFLESS MV and wait 5-6 days	

## 2.3 CLEANING TOOLS

- Clean tools with water after use

### WARNINGS:

- Do not apply on the same facing different lot numbers
- Apply the product over homogeneous substrates, on thin render mortars. Complete the application on the same facing without interruptions to avoid the joints with the dry product. In case of wide surfaces, plan suitable interruptions near waterspouts and technical joints.
- Do not apply on sunny surfaces (+35°C\_ or in the case the ambient temperature or that of the substrate is forecast to be below +5°C in the first 24 hours after the application; the relative humidity must be below 80%.
- After application the surfaces must be protected from rain for at least 48 hours.
- Store the product in its original sealed drums at ambient temperature between +5°C and +30°C

## 2.4 RESISTANCE TO WATER

- The product completes its drying and polymerizing process within 8-10 days in ideal ambient conditions (+5oC / +35oC; 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 including in the relative safety data sheet.
- Empty containers or with traces of dried product must be disposed of according to local regulations.

**3. TENDER ITEMS**

Acrylic-Siloxane based wall coating with a troweled medium texture Structherm ClassicPro Silicone 1.5mm based on acrylic-siloxane copolymers in aqueous emulsion, oxide pigments, marble grain and sands to apply in one single coat with a thickness of 1.5mm and a consumption of about 3.0Kg/m<sup>2</sup>. It is the ideal product to be used on rendered cement mortars or equivalent, precast concrete with a compact, uniform and even surface or surface already painted with other products, previously prepared with compatible products, with Isolfless MV fixative.

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.