



Marking
CE
 Reference standard:
 EN15824

DECORFINE SIL1.2 DECORFINE SIL1.6

WATER-REPELLENT AND ANTI-ALGAE TRANSPIRING DECORATIVE COATING WITH A SILOXANE BASE IN AQUEOUS EMULSION FOR INTERIOR AND EXTERIOR FINISHES

GRANTS *LEED* CREDITS

CHARACTERISTICS		ENVIRONMENTAL		METHOD OF USE		PRECAUTIONS
ALLOWS TO BREATHE	WATER BASED	ECO GREEN	RECYCLABLE	APPLY BY INOX SPATULA		STORAGE: KEEP AWAY FROM FROST

PROBLEM

COATING AND DECORATING FACADES WITH PROTECTIVE AND BREATHABLE PRODUCTS



SOLUTION

DECORFINE SIL1.2 and **DECORFINE SIL1.6** are breathable decorative acrylic-siloxane coating pastes. The grain sizes of the quartz sand particles are carefully selected up to 1.2 mm for the **SIL1.2** version and up to 1.6 mm for the **SIL1.6** version. The product's special formula ensures maximum breathability to water vapour coupled with water resistance – the surface becomes water-repellent barely a few hours after application.

DECORFINE SIL coatings guarantee excellent resistance to weathering and a broad spectrum of micro-organisms. They are highly workable and can therefore be applied even on large surfaces, while ensuring excellent adhesion on various types of substrates. In particular, they eliminate water vapour on the outside guaranteeing a highly breathable wall – an essential requirement for protecting rooms against the effects of damp.



APPLICATION FIELDS

DECORFINE SIL coatings are highly recommended for their aesthetic properties, whenever the hygrometric balance of walls must be preserved using a protective, breathable and water-repellent coating that guarantees excellent adhesion even on plastered surfaces and old paint or coatings.

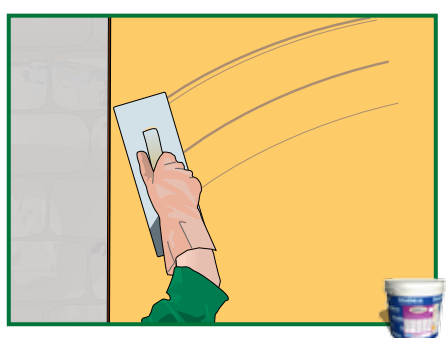
Thanks to the use of high-grade mineral pigments, the product leaves an appealing finish to suit any aesthetic demands both for historic building restorations and when finishing new surfaces.

ADVANTAGES

- High breathability.
- High workability and adhesion.
- Excellent water-repellency.
- Natural colours for environment-friendly aesthetic solutions.
- High resistance to aggressive atmospheric agents and UV rays.

METHOD OF USE

Substrates such as plaster or concrete surfaces must be stripped of any release agents, flaking parts, saline efflorescence, dust and dirt in general. Plastered surfaces must appear trowelled and uniform to facilitate application. A coat of **PRIMER T** must be applied during summer to reduce the substrate's absorbency.



Avoid working on walls exposed to sunlight during the hottest periods of the day. Old paint and plastic coatings must be clean, free of clefts or cracks and adhere properly to the surface.

• **APPLICATION**
DECORFINE SIL is ready for use: mix the product gently until obtaining a uniform and workable mix (1). Apply using a stainless steel trowel and smooth the surface to a uniform thickness (2). **DECORFINE SIL1.2** and **DECORFINE SIL1.6** can be finished with a plastic float.

• **COVERAGE**
 Consumption hovers around 2–2.5 kg/m².

- **PRECAUTIONS**
- Application temperature from +5°C to +35°C.
- Do not add other materials such as bonding agents, aggregates or additives.
- Wet the surfaces in high temperatures but do not wet the product after applying it.
- Avoid sudden temperature changes while the plaster is setting.
- In the case of application on surfaces with varying absorption characteristics, for example old patched up plaster, it is best to make setting more uniform by applying a coat of **PRIMER FIX**.
- Protect from frost, from drying too quickly and from atmospheric precipitation during the natural setting period.
- Store in original closed packaging in a dry place. Protect against frost and high temperatures.

TECHNICAL CHARACTERISTICS

	Standard	DECORFINE SIL
Appearance		Dense paste
Colour		see INDEX "LONG LIFE COLOURS" bundle of colours
Apparent density	EN 2811-1	1.80 ± 0.05 kg/L
Particle size	UNI 8906	79% ± 2%
Mixing water		160 000 ± 20 000 cps
Storage in original packaging in a dry place, away from frost		12 months
Workability characteristics		
Waiting time - for applying each coat over the previous one (*)		24 hours
Waiting time - drying in rain-free conditions (*)		5 hours
Waiting time - complete hardening (*)		24 hours
Application temperature		+5°C ÷ +35°C
Application		manual
Performance characteristics		
	Standard	Product performance
Class and type	EN 15824	
Permeability to aqueous vapour	EN 7783-2	Sd <0.3 m - class V2
Adhesion	EN 1542	≥1.5 N/mm ²
Water absorption	EN 1062-3	w<0.1 kg/m ² ·h ^{0.5} - class W3
Durability	EN 13687-3	≥0.3 MPa
Thermal conductivity λ _{10,dry}	EN 1745	0.67 W/mK (table A.12)
Fire reaction	EN 13501-1	C
Hazardous substances	EN 15824	According note in ZA.1

Test conditions: temperature 23±2°C, R.H. 50±5% and air speed in the test area <0.2 m/s. **These figures may vary depending on the specific conditions of the worksite: temperature, humidity, ventilation, absorbency of the base coat.**

(*) The stated times may be longer or shorter as the temperature decreases or increases.

Compliant with the general principles defined in **EN 15824** - Principles for evaluation of the use of products and systems.

LONG LIFE COLOURS bundle of colours

for finishing:
DECORPLAST 1.2
and DECORPLAST 1.6



the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

REFERENCES



The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

PACKAGING

DECORFINE SIL 1.2

25-kg bucket

DECORFINE SIL 1.6

25-kg bucket

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

index
Construction Systems and Products

Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67
T. +39 045 8546201 - F. +39 045 518390

Internet: www.index-spa.com
Informazioni Tecniche Commerciali
tecom@indexspa.it
Amministrazione e Segreteria
index@indexspa.it
Index Export Dept.
index.export@indexspa.it

