

Silicone, ready-to-use, exceptionally water-repellent and vapor-permeable render – Smooth finish

Description

KELYFOS FINISH-S Fine is a pasty, white or colored, silicone-acrylic render consisting of aggregates of special particle size distribution to deliver a smooth decorative finish. It offers the following benefits:

- High elasticity and excellent adhesion to the substrate.
- Total water-repellency according to EN 1062-3.
- Excellent vapor permeability.
- No need for facade painting.
- Resistance to alkalis, according to DIN 18556.
- Crack prevention, unlike traditional cement-lime renders.
- Simple, faster application.
- Suitability for both indoor and outdoor use.

Certified according to EN 15824:2017. CE marked.

Fields of application

KELYFOS FINISH-S Fine is used as a thin-coat render delivering a white or colored, water-repellent smooth finish. Applicable to all types of building materials like render, concrete, cement boards, gypsum boards, etc. Suitable for interior and exterior walls. It replaces the final coat in a rendering system.

Thanks to its high elasticity and excellent adhesion to the substrate, combined with fiber-reinforced adhesive KELYFOS-BOND, is the ideal final coat in external thermal insulation systems.

Technical data

Form:	pasty
Color:	white and selected colors
Density:	1.80 ± 0.03 kg/l
Water vapor permeability: (EN ISO 7783-2, V1: High Sd<0.14m)	V1
Water permeability: (EN 1062-3, W3: Low w< 0.1 kg/m ² h ^{0.5})	W3
Adhesion:	0.4 MPa

(EN 1542)

Thermal conductivity: $\lambda = 0.7 \text{ W/(m K)}$
(EN 1745)

Reaction to fire: Euroclass B-s2,d0
(EN 13501-1)

Drying time: 4-6 h (23°C και 50% R.H.)

Cleaning of tools:

Tools should be cleaned with water, after use..

Available types

Type	Recommended application thickness
KELYFOS FINISH-S Fine 1 mm	~1.0 mm
KELYFOS FINISH-S Fine 1.5 mm	~1.5 mm

Consumption

Approx. 1.8 kg/m²/mm.

Directions for use

1. Substrate preparation

The substrate must be dry and free of dust, oil or grease loose materials, etc. Fiber-reinforced base coat of KELYFOS BOND is primed with silicon-acrylic primer KELYFOS CL-PRIMER. KELYFOS FINISH-S Fine is applied after the primer has dried. In case KELYFOS FINISH-S Fine is colored, it is recommended to use KELYFOS CL-PRIMER colored in the same color as the render.

2. Application

KELYFOS FINISH-S Fine should be thoroughly stirred before application with slow circular motions, to avoid creating bubbles in the mass of the material. The render is applied by hand, using a smooth, stainless metal trowel, or with a rendering machine. While still fresh (5-20 min after its application), the render is treated (pressed) with a plastic float. Working time depends on substrate absorbency and ambient temperature.

Packaging

KELYFOS FINISH-S Fine is supplied in 5 kg & 25 kg plastic containers.

Shelf life – Storage

18 months from production date, if stored in original, unopened packaging, at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

Remarks

- The natural aggregates used in the render can cause slight differences in color. For this reason and in order to achieve uniform color result, it is recommended the products to come from the same batch or to mix products from different batches. Moreover, the final color may be affected by substrate temperature and humidity.
- Temperature during application should be between +5°C to +35°C.
- KELYFOS FINISH-S Fine while it is still fresh should be protected from high temperatures, rain and frost.
- Consult the directions for safe use and precautions written on the packaging before use.

Volatile Organic Compounds (VOCs)

According to Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for the product subcategory c, type WB is 40g/l (2010) for the ready-to-use product. The ready-to-use product KELYFOS FINISH-S Fine contains a maximum of 40g/l VOC.

CE

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EN 15824:2017

External render based on organic binder

DoP No.: KELYFOS FINISH-S FINE/2304-01

Water vapor permeability: V1

Water absorption: W3

Adhesion: 0,4 MPa

Durability: NPD

Thermal conductivity: 0.7 W/(mK)

Reaction to fire: Euroclass B-s2, d0