

Silicone, Fiber-reinforced, Water-repellent, Finishing Render in Pasty Form

Description

ThermaFinish Silicone is a silicone, fiber-reinforced, water-repellent finishing render in pasty form, that can be tinted in a wide range of shades using INTERMIX Color System.

It consists of advanced silicone and acrylic resins, fibers, aggregates with selected granulometry, and special additives.

Organic water-based finishing render certified according to **EN 15824** and meets the requirements of the European Directive for ETICS.

Field of Application

ThermaFinish Silicone can be used as finishing render: (a) in external thermal insulation systems—ETICS (**ThermaBuilt** by **INTERMIX**), (b) on walls and ceilings, over usual building materials such as plaster, concrete, drywall, and painted surfaces, as well as (c) component of anticracking protection systems for building façades, in combination with a base coat and alkali-resistant fiberglass mesh.

It is an ideal technical solution for applications requiring high water repellency and breathability. It provides excellent resistance to mechanical stress and weather conditions.

In case of coloration (Intermix Color System), the use of high-quality inorganic pigments ensures outstanding durability and retention of the original aesthetic, even after long-term exposure to intense solar radiation and harsh environmental conditions.

Suitable for indoor & outdoor usage

Technical Data

Technical Characteristics

Appearance	Ready to use paste
Color	White/Tinted
Maximum grain size	1mm (K10), 1,2mm (K12), 1,5mm (K15), 2mm (R15)
Density	1,75±0,05kg/cm ³

Application Properties@ 23°C / 50% RH

Dilution	0%
Application temperature	5oC-35oC
Application thickness per layer	1 – 3mm
Drying time	6-8 hours
Consumption	1,8 – 3,0 Kg/m ² depending on the grain size

Performance

Water absorption	$w_3 \leq 0,10 \text{ kg/m}^2\text{h}^{0,5}$	EN 1062-3
Water vapour diffusion	$V_2 - 0,14 \leq S_d < 1.4 \text{ m}$	EN ISO 7783-2
Bond strength	$\geq 0,45 \text{ N/mm}^2$	EN 1015-12
Thermal conductivity ($\lambda_{10, \text{dry}}$)	0,72 W/mK	EN 1745
Reaction to fire	B-s2, d0	EN 13501-1

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Directions for Use

- 1. SUBSTRATE – PREPARATION:** The application substrate should be level, clean, solid, free of loose parts, dust, oil, tar, lime, etc. On cementitious substrates, porous, new surfaces or already painted substrates first apply one coat of **ThermaFinish Primer**.
- 2. MIXING:** No need for addition of mixing water. Stir the product before use with a low speed mechanical drill to homogenize.
- 3. APPLICATION:**

Apply one coat of material with a stainless steel spatula to entire application surface. Adjust the total thickness to the maximum grain size of the product. Shape the decorative finish with appropriate sanding, using a plastic spatula.
- 4. CLEANING OF TOOLS:**

Remove as much product as possible from tools while still fresh and clean using water. When the material hardens it is removed by mechanical means.

Important Notes

Do not apply at substrate & environment temperatures below +5°C and above +35°C.

Do not apply in case of impending rain for at least the next 24 hours after application.

It is recommended to protect the surfaces from strong air currents & direct, intense solar radiation using protective covers.

Do not add additional water and/or cement, gypsum, lime, or other materials that may affect the properties of the mortar.

Before applying the finishing render, it is recommended to verify the adequacy of both the material quantity and the available workforce. Sections of the application surface that begin to be rendered should be completed without interruption to prevent the formation of visible joints.

If it becomes necessary to pause the application, this should preferably occur at points such as wall edges, near balconies, at joints, or at architectural features (e.g., downpipes, construction details, etc.), so that upon resuming the work, the joint lines are minimized or not visible at all.

THERMAFINISH SILICONE

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Packaging - Colors

Available in 25Kg plastic containers (pallet of 33 containers), in white or transparent base.

Storage

For 12 months from the date of production, in sealed, original packaging, at a cool, dry and well-ventilated place.

Tinting

It can be tinted in a wide range of shades using Intermix Color System.

Additional Notes

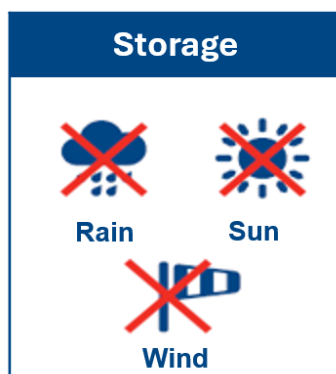
INTERMIX bagged products help keep the environment clean.


- They reduce waste and material losses
- They reduce environmental pollution.
- Their packaging is fully recyclable.

Consumption

It depends on the type of substrate, the method, the tools and the application conditions.

Grain Size	Consumption (Kg/m ²)
K10	1,6—1,8
K12	1,9—2,1
K15	2,4—2,6
R15	2,4—2,6



	
TITAN CEMENT SA 22A Halkidos Str., 111 43, Athens, Greece 24	
EN 15824:2017 DoP No: INTERMIX 45 Render based on organic binders for use externally and internally	
Reaction to fire	B-s2, d0
Water absorption	w3
Water vapour diffusion	V2
Tensile strength to substrate	≥0.25/mm ²
Thermal conductivity	λ = 0,72 W/mK
Dangerous substances	See SDS