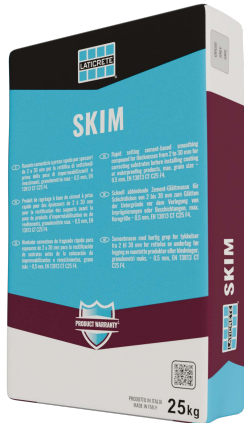




# SKIM

DS-764-0321

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

SKIM

## 2. MANUFACTURER

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Castelnuovo Rangone MO, Italy

Telephone: +39 059 535540

Email: [info@laticreteurope.com](mailto:info@laticreteurope.com)

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## 3. PRODUCT DESCRIPTION

SKIM is a premium quality, cement-based underlayment designed for skim-coating, smoothing and levelling prior to the application of interior and exterior finish coverings, including waterproofing.

This trowel-applied product can be applied from 2 mm up to 30 mm and has a thixotropic, creamy consistency, making it the ideal choice for skim coat applications. SKIM is classified as a concrete repair mortar R2 according to EN 1504-3.

### Uses

- Skim-coating, smoothing and levelling in preparation of waterproofing or floor finish installation
- For thicknesses from 2 mm to 30 mm
- For walls, ceilings, and floors
- Suitable for exterior and wet applications when used with a suitable LATICRETE waterproofing membrane

### Advantages

- Wide range of application — up to 30 mm
- Superior thixotropic and creamy consistency — easy to use and easy to apply, especially for walls and ceilings
- Rapid setting formula — ready for finished flooring in as soon as 4 hours
- Low shrinkage

### Suitable Substrates

- Concrete
- Cement Mortar Bed
- Cement Mortar

### Packaging

25 kg bag

### Coverage / Consumption

~1.5 kg/m<sup>2</sup> per 1 mm of thickness

### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored off the ground in a dry area.

### Limitations

- DO NOT install when ambient and surface temperature is below +5°C or above 32°C.
- DO NOT exceed recommended mixing ratio as indicated in mixing instructions. Over watering will weaken product properties.
- DO NOT retemper mortar mixture that has started to stiffen by adding water or fresh mortar as this will weaken product properties.
- NOT suitable as a final wear surface without additional appropriate finishes or overlayers.
- Suitable for exterior use and wet areas when used in conjunction with an appropriate LATICRETE® waterproofing membrane.
- During cold weather, protect finished work from traffic until fully cured.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane on top of the dry SKIM.

## Cautions

Consult SDS for more safety information.

- Do not take internally.
- Keep out of reach of children.
- Protect areas not to be treated from exposure to SKIM.
- A rough, textured or porous surface may consume more material consumption.
- High temperatures may accelerate while low temperatures may slow down the setting and curing.
- Perimeter, bay, structural and movement joints should be maintained through the substrate and finish.
- Observe appropriate current regulations and standards.

## 4. TECHNICAL DATA



## VOC/LEED Product Information

Emission dans l'air interieur: A+

## Applicable Standard

- EN 13813: CT C25 – F4 A1 fl
- EN 1504-3: R2 PCC
- ISO 9001:2015 Quality Management System

## Physical Properties

Basis:	Cement, aggregates, additives
Colour:	Grey
Apparent Density:	~ 1200 kg/m <sup>3</sup>
Maximum Grain Size:	0,5 mm
Density at 28 days:	~ 1700 kg/m <sup>3</sup>
Temperature Resistance:	- 30°C to + 90°C

## EN 1504-3

	Value	Requirement	Test Method
Classification EN 1504-3:	R2	R2	-
Compressive Strength:	30 N/mm <sup>2</sup>	≥ 15 N/mm <sup>2</sup>	EN 12190
Chloride Ion Content:	0.02%	≤ 0,05 %	EN 1015-17
Adhesive Bond:	1,1 N/mm <sup>2</sup>	≥ 0,8 N/mm <sup>2</sup>	EN 1542
Restrained Shrinkage / Expansion:	1,0 N/mm <sup>2</sup>	≥ 0,8 N/mm <sup>2</sup>	EN 12617-4
Capillary Absorption:	0,32 Kg/m <sup>2</sup> h	≤ 0,5 Kg/m <sup>2</sup> h	EN 13057
Thermal Compatibility Part 1 (freeze-thaw):	1,1 N/mm <sup>2</sup>	≥ 0,8 N/mm <sup>2</sup>	EN 13687-1
Thermal Compatibility Part 2 (storm):	1,0 N/mm <sup>2</sup>	≥ 0,8 N/mm <sup>2</sup>	EN 13687-2
Thermal Compatibility Part 3 (dry cycles):	1,1 N/mm <sup>2</sup>	≥ 0,8 N/mm <sup>2</sup>	EN 13687-4

## EN 13813

	Value	Test Method
Classification EN 13813:	CT C25-F4	-
Reaction to Fire:	A1 <sub>fl</sub>	EN 13501-1
Compressive Strength at 24 hours:	~ 10,0 N/mm <sup>2</sup>	EN 13892-2
Compressive Strength at 28 days:	~ 28,0 N/mm <sup>2</sup>	EN 13892-2
Flexural Strength at 28 days:	~ 4,5 N/mm <sup>2</sup>	EN 13892-2
Shrinkage:	~ 0,6 mm/m	EN 13454-2

## Working Properties

Consistency:	Thixotropic mortar
Wet Density:	~ 2000 kg/m <sup>3</sup>
Maximum Grain Size:	0,5 mm
Mix Ratio:	4,75 - 5 L water / 25 kg bag
Application Temperature:	+5°C to +35°C
Working Time:	30 minutes
Minimum Thickness:	2 mm
Maximum Thickness:	30 mm
Time to Foot Traffic:	3 hours*
Time to Tile Install:	> 4 hours*
Time to Marble/Stone Install:	> 6 hours*
Time to Install of Wood & Resilient Materials:	> 24 hours*
Final Hardening:	> 7 days*

\* at +23°C, 50% relative humidity

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

## 5. INSTALLATION

### Substrate Preparation

Ambient and substrate temperature must not drop below +5°C during application and for one week after application.

Suitable floor substrates include: concrete, heated and unheated cement-based screeds and rapid setting cement-based screeds (e.g. 2261 FLUID FAST). Substrates must be load-bearing, solid, and free of dust, dirt, oil, grease, paint or any contaminants which may inhibit bonding.

Remove separating layers, laitance and loose particles by suitable measures e.g. vacuuming, blasting or scabbling. Ensure curing and shrinkage processes are complete for new substrates.

When using SKIM as a smoothing compound, prime very porous substrates with PRIMER SUPERIOR or PRIMER PLUS. When using SKIM as a concrete repair mortar, moisten the concrete abundantly before application but do not leave standing water.

### Mixing

Use 4.75 - 5 litres of water per 25 kg bag of SKIM. Pour water into a clean mixing bucket, then add powder and mix with a low-speed mixer (approx. 300 - 700 rpm) to obtain a smooth, lump-free smoothing mortar. Mixing time is approximately 3 minutes. Pot life is about 30 minutes at 23°C.

### Application

Apply blended mortar onto the prepared substrate. Distribute evenly and press into the substrate, then smooth using a suitable tool (i.e. trowel, lath) and press into the substrate. SKIM can be applied up to 30 mm in one application.

After initial set of material (approx. 45–80 minutes depending on the substrate, ambient temperature and thickness), remove all overlaps, marks, seams, and inconsistencies by rubbing with a damp open-pored sponge or felt-board and then subsequently smoothing with a steel float or trowel. Smoothing can be carried out when the first layer has hardened but still appears damp and dark in colour.

*Note: Do not exceed the maximum thickness of 30 mm.*

After application, protect SKIM from drying out too quickly (e.g. by repeated misting with water or covering), from high room temperatures, direct sunlight and drafts.

## 6. AVAILABILITY AND COST

### Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l.:

+39 059 535540

[info@laticreteeuropa.com](mailto:info@laticreteeuropa.com)

For on-line distributor information, visit [www.laticrete.eu](http://www.laticrete.eu).

### Cost

Contact LATICRETE EUROPE S.r.l to obtain complete information and cost.

## 7. WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Services for further information. See 10. FILING SYSTEM:

- DS230.13EU: 1 Year Product Warranty (EN)

## 8. MAINTENANCE

LATICRETE® and LATAPOXY® are products of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

## 9. TECHNICAL SERVICES

### Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:

+39 059 535540

[technicalservices@laticreteeuropa.com](mailto:technicalservices@laticreteeuropa.com)

### Technical and Safety Literature

To obtain technical and safety literature, please visit our website at [www.laticrete.eu](http://www.laticrete.eu).

### Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® is unable to directly control the installation methods and conditions of products and does not assume any liability arising from their implementation. Those who want to use LATICRETE® products should conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.

LATICRETE® products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as

expressly indicated in the product data sheets, documentation, or applicable technical documentation.

## **10. FILING SYSTEM**

Additional product information is available on our website at [laticrete.eu](http://laticrete.eu). The following is a list of related documents:

- DS230.13EU: 1 Year Product Warranty