



## TECHNICAL DATA SHEET

### **OPUS COMPOSITUM BIO- FINE SKIM COAT**

*Skim coat based on natural hydraulic lime NHL 5*



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**OPUS COMPOSITUM BIO-FINE SKIM COAT** is a fibre-reinforced and water-repellent skim coat based on natural hydraulic lime NHL 5, eco-friendly and breathable, compliant with standard EN 459-1. "Civile" finish for interior and exterior use.

Easy, fast, and economical to use, it offers excellent adhesion to substrates, good breathability, strong mechanical and weather resistance, durability, and high coverage. Available in hazelnut colour. High UV stability. It can be used for leveling and "civile" finishing, indoors and outdoors, in civil and industrial buildings .



### Characteristics

Technical data	Typical value	
Appearance	Hazelnut, white, coloured powder	
Composition	Natural hydraulic lime NHL 5, selected aggregates, additives, inorganic pigments	
Grain size	≤ 0,6 mm	
Application temperature	5°C / + 35°C (non-coloured) 8°C / + 30°C (coloured)	
Mixing water	≈ 24 %	
Fresh mortar consistency	≈ 175 mm	EN 1015-3
Apparent density of fresh mortar	≈ 1,6 Kg/l	EN 1015-6
Apparent density of dried mortar	≈ 1,4 Kg/l	EN 1015-10
Pot life	≈ 2 h	
Skim coat thickness	1 - 2 mm per coat	
Number of coats	2 coats	
Waiting time for second coat	≈ 4 h (after shrinkage)	
Waiting time before painting	≈ 20 gg	

Technical data	Typical value	
Compressive strength	≥ 3 N/mm <sup>2</sup> - Category CSII	EN 1015-11
Flexural strength	≥ 1,0 N/mm <sup>2</sup>	EN 1015-11
Adhesion - FP	≈ 0,5 N/mm <sup>2</sup> - B	EN 1015-12
Capillary water absorption	≤ 0,4 Kg/(mq min0,5) - W1	EN 1015-18
Vapour permeability μ	5/20 (tabulated value)	EN 1745
Thermal conductivity (λ <sub>10,dry</sub> )	0,47 (tabulated value)	EN 1745
Reaction to fire	Class A1	EN 13501
Smoke contribution	None	
Hazard classification	None	CE 99/45

### *Consumption*

3 - 4 kg/m<sup>2</sup> for about 2 mm thickness.

### *Packaging*

25 kg paper bags on 1500 kg pallet.

### *Preparation*

- Ensure substrates are clean, sound, rough, and uniform.
- Always dampen seasoned, dry, or aged substrates (older than 48 h).
- For coloured skim coats, apply a suitable breathable primer to ensure even colour.
- Mix one bag of OPUS COMPOSITUM BIO- FINE SKIM COAT with approx. 6 litres of water, by hand or with a low-speed mixer, until a consistent, plastic mortar is obtained.

### *Application*

- Let the mix rest for about 10 minutes, then briefly stir again before application. Apply a first coat of the product, embedding the OLY NET 150 fiberglass mesh into it. After approx. 4 hours, apply a second coat with a metal trowel on a damp substrate.
- Finish with a sponge float, moistened if necessary, to obtain a smooth and uniform surface.

### Warnings

Do not apply on dry, weak, crumbly, dirty, or painted substrates. Avoid outdoor application during very hot or windy days, on frozen substrates, during thawing, or with risk of frost within the next 24 hours. Do not apply at temperatures below +8°C or above +30°C. For external applications of coloured skim coat, protect from wind, rain, and direct sunlight for the first 10 days. To ensure colour uniformity, avoid excessive interruptions or variations in application conditions and materials.

### Storage

Store in a cool, dry place, possibly on wooden pallets.

Storage period: 12 months

Packaging date: see bag stamp.

### General Warnings

This technical datasheet supersedes and cancels previous versions.

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