



TECHNICAL DATA SHEET

OPUS COMPOSITUM BIO- SKIM COAT MP

*Restoration skim coat based on natural hydraulic
lime NHL 5*



**LINEA RESTAURO
OLYMPUS®**

OPUS COMPOSITUM BIO- SKIM COAT MP

Restoration skim coat based on natural hydraulic lime NHL 5



OPUS COMPOSITUM BIO- SKIM COAT MP is a fibre-reinforced skim coat composed of pure natural hydraulic lime NHL 5 and lightweight mineral aggregates. It is macroporous and breathable. Easy, quick, and cost-effective to apply, it offers excellent adhesion to substrates, good breathability, high water vapour permeability, outstanding mechanical strength and weather resistance, long durability, and high coverage. It also boasts excellent UV stability. As fields of applications, it is suitable for levelling and fine finishing (“civile fine”) of damp and salt-laden masonry, both indoors and outdoors, in civil and industrial buildings.



Characteristics

Technical data	Typical value	
Appearance	Hazelnut powder	
Composition	Natural hydraulic lime NHL 5, limestone aggregates, light mineral aggregates, additives	
Grain size	≤ 0,6 mm	
Application temperature	5°C / + 35°C	
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 ² - Category CSII	EN 1015-11
Flexural strength	$\geq 1,0$ N/mm ²	EN 1015-11
Adhesion - FP	$\approx 0,5$ N/mm ² - B	EN 1015-12
Capillary water absorption	$c \geq 0,3$ kg/m ² after 24h	EN 1015-18
Water penetration after capillary absorption test:	≤ 5 mm	EN 1015-18
Water vapour permeability coefficient μ	≤ 15	EN 1015-19
Thermal conductivity ($\lambda_{10,dry}$)	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/m² for about 3 mm thickness.

Packaging

25 kg paper bags on 1500 kg pallet.

Preparation

- Check that the substrates are clean, resistant, rough and homogeneous.
- Always dampen seasoned, dry substrates or substrates that have been applied for more than 48 h.
- In the case of coloured levelling coats, apply a suitable breathable fixative to make the colour uniform.
- Mix one sack of OPUS COMPOSITUM BIO- SKIM COAT MP with about 6 litres of water, by hand or with a low-speed mixer, until a consistent and plastic mortar is obtained.

Application

- Allow to rest for approx. 10 min. then briefly stir again before application in two coats of 1-2 mm per coat, 4 h apart, with a metal trowel on a damp substrate.
- Finish with a sponge trowel, moistened with water if necessary, until a homogeneous surface is obtained.

Warnings

Do not apply on dry, inconsistent, crumbling, dirty or painted substrates. Avoid outdoor application on very hot or windy days, on frozen substrates, during thawing or with risk of frost in the following 24 h and in any case with temperatures below +8 °C or above +30 °C.

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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