

MUROSTUK

HYDRAULIC LIME AND HYDRAULIC BINDER
BASED WATERPROOF FIBRE-REINFORCED MORTAR
FOR FILLING EXPOSED WALLS

GRANTS *LEED* CREDITS

CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE		PRECAUTIONS
 ALLOWS TO BREATHE	 ECO GREEN	 RECYCLABLE	 MIX MECHANICALLY	 APPLY BY TROWEL
				 STORAGE: IN A DRY PLACE

PROBLEM

FILL DEGRADED EXPOSED WALLS



When restoring various types of old exposed walls, it is necessary to use a mortar boasting a high degree of compatibility and resistance to atmospheric agents.

SOLUTION

MUROSTUK is a pre-mixed dry fibre-reinforced and waterproofed mortar formulated with hydraulic lime and cement, boasting excellent chemical and physical compatibility with old walls. Its whitish colour can be altered by adding natural earth to obtain the original or desired colour.

APPLICATION FIELDS

MUROSTUK is recommended for filling old walls to be left exposed and for raising the compressive strength characteristics of outdoor and indoor walls to >10 N/mm² using mixed binder.

ADVANTAGES

- High workability.
- Excellent chemical-physical compatibility with various types of walls.
- Excellent resistance to weathering.



METHOD OF USE

• SURFACE PREPARATION

Old mortar between stones, rocks or bricks of the wall to be filled must be removed in case of severe chalking and irregularity. The wall surface must be washed and cleaned.

• PREPARING THE MIX

MUROSTUK must be mixed solely with water (1) (roughly 18%, 4,5 litres for one 25 kg bag). Use a cement mixer or low-speed drill.

• APPLICATION

The product can be applied using a trowel or stainless steel brick trowel (2).

• COVERAGE

Consumption hovers around 1.5 kg/litre.

• PRECAUTIONS

- Minimum application temperature +5 °C.
- Protect the product against frost or high temperatures.
- Only oxides or coloured earth may be added to create the desired colour.
- Do not apply loads on the wall before the mortar has hardened.
- Clean tools with water and rub them with a damp cloth.
- Store in a dry place.

View the application video on your smartphone



TECHNICAL CHARACTERISTICS



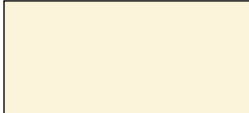
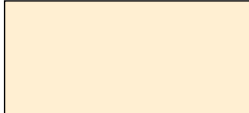











	Standard	MUROSTUK
Appearance		Powder
Colour		15 colours
Particle size		0÷1.6 mm
Apparent density	EN 1015-6	1.40 ± 0.10 kg/L
Mixing water		18% ± 1%
Storage in original packaging in a dry place		12 months
Mix properties and workability		
Density of the mix		1.80 ± 0.10 kg/L
Application temperature		+5°C ÷ +35°C
Minimum application thickness		5.0 mm
Maximum application thickness per layer		30.0 mm
Application		Manual
Performance characteristics	Standard	Product performance
Class and type	EN 998-2	M10
Resistance to compression - after 28 days	EN 1015-11	10.0 N/mm ² - CS IV
Resistance to bending - after 28 days	EN 1015-11	4.0 N/mm ²
Adhesion	EN 1015-12	≥0.5 N/mm ² - FP: B
Water absorption through capillarity	EN 1015-18	w ≤ 0.4 kg/m ² ·h ^{0.5} - W1
Water vapour permeability coefficient	EN 1015-19	μ = 5÷20
Thermal conductivity λ _{10,dry}	EN 1745 A.12	0.18 W/mK
Durability	EN 998-2	5.5.7 compliant
Chloride ion content	EN 1015-17	Absent
Initial shear resistance	EN 998-2 App.C	≥0.15 N/mm ²
Thermal resistance - Working temperature		-30°C ÷ +90°C
Reaction to fire	EN 13501-1	A1
Hazardous substances	EN 998-2	According note in ZA.1

Test conditions: temperature 23 ± 2 °C, R.H. 50 ± 5% and air speed in the test area < 0.2 m/s. **These figures may vary depending on the specific conditions of the worksite: temperature, humidity, ventilation, absorbcency of the base coat.**

(*) The stated times may be longer or shorter as the temperature decreases or increases.

Complies with the general principles defined in **EN 998-1** – Principles for evaluation of the use of products and systems.

TABLE OF AVAILABLE COLOURS

				
101 - WHITE	202 - "CARNIA" GREY	303 - "IVORY" YELLOW	304 - "SAND STONE" YELLOW	305 - "FLORENCE" YELLOW
				
306 - "SIENA" YELLOW	307 - "ROME" YELLOW	308 - "SUN" YELLOW	409 - "EARTH" ORANGE	410 - "VENICE" ORANGE
				
411 - "VERONA" ORANGE	512 - "PEACH" PINK	513 - "PORTUGAL" PINK	514 - "ANTIQUÉ" PINK	515 - "CORAL" PINK

The colours reproduced in this table have a purely indicative value.

PACKAGING

MUROSTUK
25-kg Sack

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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The numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering