



Corteccia

Totally natural wet mortar, with extra-pure air lime, for restoration and bio-building. Highly breathable, healthy and de-humidifying. Very versatile and ready for rough coating, wainscot, bedding, installation, fragment filling and pointing.



Fields of application:

- for the breathable rough coat of indoor and outdoor masonry in stone, bricks, tuff, clay, cellular cement and concrete before preparing the render coats with the same mortar
- for highly breathable and healthy renders indoors and outdoors, applied in one or more coats depending on the thickness to be obtained
- with the addition of pozzolana, for dehumidifying restoration renders indoors and outdoors, applied in one or more coats depending on the thickness to be obtained
- with the addition of pozzolana, for dehumidifying restoration and breathable wainscot of humid masonry
- for highly breathable bedding, fragment filling and pointing of hewn stones and bricks

Characteristics:

Corteccia is a ready-for-use wet-prepared mortar of pure air lime. A single mortar typically used for rough coat, render or wainscot, but extremely versatile for several uses in the building sector. Totally natural, made up of selected aggregates, sands from quarries and binders with long cured pit lime, according to the norm EN 459-1, reaching slowly and gradually, without any stress, the molecular stability that gives to the product unique qualities as for workability, plasticity, bonding and long lasting in a fully natural way.

- specific for restoration and recovery works in historical building and in bio-building
- specific for masonry subject to harsh weather conditions, or aggressive like marine breezes
- specific for the hygroscopic balance and protection of the wall face
- specific for improving healthiness and comfort of the premises, reducing condensation and adding natural antiseptic qualities
- specific for masonry exposed to mould, bacteria, mosses and lichens, preventing their proliferation thanks to the natural and intrinsic characteristics of the alkaline pH
- professional use only

Application:

the substrate masonry must be well clean and solid; remove possible crumbling or partially detached residues, as well as any salt deposits between hewn stones. Eliminate any mould and organic proliferation. **Corteccia** is a ready-for-use wet-prepared mortar to be briefly stirred to restore the mixture homogeneity before use. **Corteccia** can be used as bedding mortar for stones or bricks, as fragment filling to restore missing parts of the masonry, closing of system ducts and pointing between hewn stones.

Quality and Environmental Standards:

Corteccia undergoes constant, careful testing at our laboratories, in compliance with the legislation in force UNI EN ISO 9001/2015.

Characteristics	Application methods	Consumption
Highly breathable De-humidifying with addition of micronized pozzolana A single mortar for: Rough coat, render, wainscot Indicated for exposed grouting High mechanical performance Excellent workability and adhesion Ready-for-use mortar AIR mortar	Manually or by machine (mixer F15 or the like) with bin suitable for the grain size	12 - 13 kg/m ² every cm of thickness
		Storage Shelf life of 24 months in the original packages at temperatures above +10°C. Do not expose to direct sunlight

Code
171002

Product
Corteccia

Color
Ivory mortar

Packages
25 kg bucket

Pallet
825 kg

Warning:

- do not apply at temperatures below +10 °C;
- store at lower temperatures to 5°C;
- do not apply on surfaces exposed to direct rays of the sun;
- protect from rain for at least 12 hours after laying;
- on highly porous or fragile substrates to apply Latte di Calce;
- wait for the previous layer to harden before applying the next one;
- wet the support first with rejection application;
- apply in a minimum thickness of 2 cm when used as a dehumidifier.


Technical and application specifications

Hazard classification as per Directive 99/45/CE:	irritant
Type of mortar:	general mortar for interior / exterior plasters (GP) EN 998-1
Chemical nature of the binder:	pure putty of lime CL 90 S (EN 459-1)
Granulometric range:	0-5 mm
Dry residue:	≈ 70%
Appearance:	wet mortar
Mass volume fresh mortar:	1.6 kg/dm³
pH mortar:	≈ 13
Application temperature:	from +10 °C to +30 °C
Maximum thickness per coat:	3 cm
Minimum thickness achievable:	5 mm
Yield:	≈ 14 kg/m² per cm of thickness

FINAL PERFORMANCE SPECIFICATIONS

Water vapor permeability coefficient (μ):	≤ 8
Water absorption by capillarity (EN 1015-8):	W24
Reaction to fire (EN 13501-1):	A1 class
Compressive strength to 28 days (EN 988-1):	CSII category
Adherence to the support (EN 1015-12):	≥ 0.3 N/mm²-FP:B
Thermal conductivity (EN 1745):	0.54 W/mK (valore tabulato)
Harmonised customs code:	xxxxx

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.