PRODUCT DATA SHEET

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CE

WF03 - WINTOSAN

COMPLYING WITH THE UE RULE
UNI EN 998-1
R
RESTORATION MORTAR

DESCRIPTION OF THE PRODUCT

Macro-porous, dehumidifying plaster based on hydraulic binders, enhanced with special additives and fillers designed to promote porosity while maintaining excellent breathability. Formulated by WINKLER Research & Development Laboratories.

FIELDS OF USE

Product used in restoration cycles on surfaces damaged by rising damp. It can be applied on brick, tuff, concrete, and plaster substrates, providing excellent results even at low thicknesses (from 1.5 cm). The product does not require any preliminary anti-salt treatment and can also be used as a rough coat.

SURFACE PREPARATION

Remove the plaster from the substrate at least 80-100 cm beyond the visible damp area. Thoroughly clean the surface to remove salts, grease, oils, and substances that could impair adhesion. Pre-wet the substrate before applying the product using a trowel or an air-spray gun. For a smoother finished surface, the application of **WF05-RASOSAN** is recommended.

WARNING

Do not add cements or any additives.
Do not use the product if the packaging is damaged.
Do not add water once the mixture has begun to harden.
Do not apply on asphalt or bitumen-treated surfaces.

PRECAUTIONS

Apply the product at temperatures between +5°C and +35°C. During the first 24 hours, protect the surface from direct sun and wind, and if necessary, continue to keep it damp after application. Store the product before use in a frost-free environment, protected from moisture. Mix the product with cold water. Fresh mortar can be removed from tools used for preparation and application with running water, while hardened material must be removed mechanically.

Winkler Srl
Via M. Buonarroti, 15 - 20093 Cologno Monzese (Mi) - Italy
Tel. +39 02 26 700 605
info@winklerchimica.com - www.winklerchimica.com

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APPLICATION

Mix thoroughly with clean water (see quantities in the CONSUMPTION paragraph) until a homogeneous paste is obtained. The product can be applied using a trowel or an air- spray gun and finished with a wooden trowel. For final levelling, use **WF05-RASOSAN**.

CONSUMPTION

Scratch coat: Water dosage 5.5 L per bag (22%); 1.7 kg/m^2 per mm of thickness
Plaster: Water dosage 4.25 L per bag (17%); 1.5 kg/m^2 per mm of thickness

PACKAGING

25 kg bags

STORAGE

The product in its original and undamaged packaging, can be stored for up to 12 months. Store at temperatures between +5°C and 35 °C. The product is not frost-resistant.

SAFETY INSTRUCTIONS

PRECAUTIONS

For safety information, the user must refer to the latest Safety Data Sheet (SDS), prepared in accordance with applicable regulations. The SDS contains detailed information on the physical, toxicological, and safety characteristics of the product.

DISPOSAL AND ENVIRONMENTAL PRECAUTIONS

Do not release the product or empty containers into the environment. For detailed disposal instructions, refer to the most recent Safety Data Sheet (SDS).

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TECHNICAL FEATURES
(average values)

WF03-WINTOSAN complies with the requirements of **EN 998-1** ("Guaranteed performance mortar with high porosity and reduced capillary action, suitable for restoring damp masonry walls") and fulfils the minimum requirements for classification as **(R)** Restoration Mortar.

FEATURES	STANDARD	RESULTS
Maximum aggregate particle size	-	3 mm
Appearance	-	Powder
Colour	-	Light grey
Water for mixture (per 25kg bag)	-	4.3 L (max. 5.5 L)
Mixture specific weight	UNI EN 1015-6	1600 kg/m^3
Mixture porosity	UNI EN 1015-7	>20%
Pot life at 20°C	-	2 hours

PRODUCT PERFORMANCES
ACCORDING TO UNI EN 998-1

FEATURES	STANDARD	RESULTS
Compressive strength	UNI EN 1015-11	14.5 N/mm^2 (Class CS II)
Adhesion	UNI EN 1015-12	≥ 0.40 N/mm^2 (Break type: B)
Water absorption by capillarity	UNI EN 1015-18	≥ 3.1 Kg/m^3 (water infiltration ≤ 5mm)
Water vapor permeability μ	UNI EN 1015-19	≤ 15
Thermal conductivity λ	UNI EN 1745	0.70 W/m.K
Reaction to fire	UNI EN 13501-1	A1

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VOLATILE ORGANIC COMPOUNDS EMISSION

PARAMETER	MAX. ALLOWED CONCENTRATION (µg/m³)
TVOC after 3 days	≤ 750
TVOC after 28 days	≤ 60

Test performed by the EUROFINS Institute according to EN 16516, ISO 16000-3/6/9/11 and ASTM D5116-10. Test report n. 392-2017-00404102_G_EN_02.

The product complies with the requirements of Directive 2003/53/EC.

PRODUCT FOR PROFESSIONAL USE ONLY

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