PRODUCT DATA SHEET

ITEM CODE: SEE DN
ISSUE DATE: 18/11/2025
REVIEW: NO. 6

CE

WITROCOL

COMPLYING WITH EU NORM
UNI EN 998-1
GP
MORTAR FOR GENERAL PURPOSES

DESCRIPTION OF THE PRODUCT

Cement-based adhesive for glass blocks, serving as a sealant, self-levelling and shrinkage-resistant. Formulated with special binders and selected mineral fillers, developed by WINKLER Research & Development Laboratories.

FIELDS OF USE

High mechanical strength product for both indoor and outdoor applications, suitable for laying and grouting glass blocks in a single coat. The product is waterproof and can be applied on vertical and horizontal surfaces.

SURFACE PREPARATION

Thoroughly clean the surface to remove salts, dust, loose or friable material, and any foreign or non-adherent substances.

WARNING

Do not add cement 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.
Add steel reinforcement where necessary.

PRECAUTIONS

Apply the product at temperatures between +5°C and +35°C. Protect the surface from direct sunlight and wind during the first 24 hours; if necessary, keep the surface slightly moistened even after application. Before use, store the product away from frost and in a dry environment protected from humidity. Mix the product with clean, cold water.
Remove fresh mortar from tools used for preparation and application with running water. Once hardened, the material can be only removed mechanically.

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APPLICATION
Mix the product thoroughly with clean water until a homogeneous, lump-free consistency is achieved. Allow the mixture to rest for 2-3 minutes before application. Apply with a trowel or spatula. The product can be coloured using the **CEMENT COLOR** range.

CONSUMPTION
6-7 kg/m^2 for standard application
35-40 kg/m^2 when grouting with 1 cm spacers

PACKAGING
8-25 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)

WITROCOL complies with **ENV 998-1** ("Guaranteed performance mortar for general purposes") and is especially suitable for glass blocks.

FEATURES	RESULTS
Appearance	Powder
Colour	White
Mixing water per 25 kg bag	Min. 5.80L – Max. 6.20 L
Pot life	20 minutes
Setting start	Approx. 60 minutes
Setting end	Approx. 120 minutes

PRODUCT PERFORMANCES
ACCORDING TO UNI EN 998-1

FEATURES	STANDARD	RESULTS
Density of the mixture	UNI EN 1015-10	1.600 kg/m^3
Compressive strength after 28 days	UNI EN 12190	16 N/mm^2
Flexural strength after 28 days	UNI EN 12190	5 N/mm^2
Moisture resistance	UNI EN 1015-18	Excellent
Reaction to fire	UNI EN 13501-1	A 1

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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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