

PRODUCT DATA SHEET

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ROYAL SUPER

COMPLYING WITH THE EU RULE
UNI EN 12004
C2 T
TILE ADHESIVE

DESCRIPTION OF THE PRODUCT

Improved cementitious tile adhesive designed for the installation of ceramic and porcelain (grès) tiles on floors and walls, both indoors and outdoors.

Classified according to **UNI EN 12004 (C2T)**: cementitious adhesive with improved adhesion, enhanced performance, and reduced slip.

Formulated by WINKLER Research & Development Laboratories.

FIELDS OF USE

Pre-mixed, high adhesion product suitable for the installation of floors, heated floors, and wall coverings, both indoors and outdoors.

SURFACE PREPARATION

Ensure that the substrate is sound, properly cured, free from cracks, and compliant with the requirements specified in the **UNI EN 11493-1** standard.

Thoroughly clean the surface to remove salts, oils, grease, loose or friable materials, 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 mix has begun to set.

PRECAUTIONS

For existing coatings or surfaces with low wettability, use **WINGRIP NEXT** as an adhesion promoter. For the design, installation, and maintenance of floors using **ROYAL SUPER** refer to the provisions of **UNI EN 11493-1**. Apply at temperatures between +5°C and +35°C.

APPLICATION

Mix thoroughly with clean water (5-5.25 L per bag) until a smooth, homogenous mixture is obtained.

Allow the mixture to rest for approximately 3 minutes, then proceed with the application.

Apply the product with a notched trowel. To improve the product's elasticity, add 10-15% **ADEGUM LATEX** to the mixing water, adjusting the amount until the desired consistency is achieved.

For large-sized coverings (with a surface area greater than 900cm²), or when a full-bed application is required according to **UNI EN 11493-1**, apply **ROYAL SUPER** using the double-spreading technique – applying adhesive both to the substrate and the back of the covering. This ensures full contact and greater mechanical strength.

CONSUMPTION

3-3.5 kg/m²

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).

TECHNICAL FEATURES (average value)

FEATURES	RESULTS
Appearance	Powder
Colour	White – Grey
Specific weight	1.45 ± 0.10 g/cm ³
Recommended Mixing Water	5-5.25 L per bag 20-21%
Setting time at +23°C	30 minutes
Grouting at +23°C	After at least 24 hours

CERTIFIED RESISTANCES OF THE PRODUCT IN OPERATION According to UNI EN 12004

Extended open time: Tensile adhesive strength (UNI EN 1346)	After 5 min	After 10 min	After 20 min
	0.97 N/mm ²	0.67 N/mm ²	0.52 N/mm ²
High tensile adhesive strength (UNI EN 1348)			
• Initial	1.03 N/mm ²		
• After thermal ageing	1.06 N/mm ²		
• After water immersion	1.08 N/mm ²		
• After freeze-thaw cycles	1.11 N/mm ²		
Slip resistance	< 0.5 mm		

VOLATILE ORGANIC COMPOUNDS EMISSION

PARAMETER	MAX. ALLOWED CONCENTRATION (µg/m ³)
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.

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