

# SUPER 24

Vers. 01 del 07/2009

Fast setting and hydrating, vertical-creep resistant, two-component cementitious adhesive with high polymer content, for professional use. Ideal for fixing natural stone, marble and granite, cement- or resin- based engineered stone, large-sized ceramic and porcelain tiles. Suitable for tile-on-tile applications as well as for tiling in swimming pools, on heating screeds, in heavy-traffic and high-stress areas. Classified as C2FT S1 adhesive (according to EN 12004 and EN 12002).



## FIELDS OF USE

- Fast fixing of absorbent and non-absorbent floor and wall tiles made from natural stone, including stone liable to staining and with a slight tendency to warping, and mosaics, indoors as well as outdoors.
- High-performance tiling applications, such as tiling over underfloor heating systems, on façades (both by double-spreading application method), over existing tiles or in swimming pools. Suitable for heavy-traffic and high-stress areas.
- Fixing of cement- or resin- based engineered stone products with average sensitivity to water and heat.
- Tiling on not perfectly flat substrates, in thicknesses of up to 20 mm.
- Fixing of insulating panels made of polystyrene, expanded polyurethane, rock wool or glass and cork.
- Suitable for use on all types of cementitious substrates and gauged mortar, existing ceramic floors, wood and substrates waterproofed with our **KEDILASTIC** or **ISOLFLEX** range.
- Applications on gypsum, plasterboard, scagliola or anhydrite screeds, provided the surface is primed with **APPREX G** at least 6 hours before tiling.

## NATURE OF THE PRODUCT

**SUPER 24** consists mainly of a blend of cements, mineral fillers and specific additives.

## MIXING

Mix the powder and latex until a homogeneous and lump-free mix is obtained. Allow to hydrate for 3 minutes and then stir again briefly. The product has the appearance of a creamy, thixotropic paste and is easily applied with a trowel.

## APPLICATION PROCEDURE

Apply a thin coat of **SUPER 24** onto the substrate with the straight edge of the trowel so as to ensure proper wetting of the substrate itself. Immediately afterwards, with a notched trowel apply the appropriate amount of adhesive to attain a high degree of wetting on the back of the tiles (75% at least for residential indoor applications, 100% for outdoor applications or high-traffic areas). For particularly difficult applications or for fixing large-sized tiles (exceeding 900 cm<sup>2</sup>), apply a coat of adhesive to the back of the tiles, too.



## TECHNICAL DATA

### PRODUCT IDENTIFICATION

	COMP. A	COMP. B
Appearance	Powder	Liquid
Colour	Grey or White	White
Bulk density	1.30 Kg/m <sup>3</sup>	1.01 Kg/m <sup>3</sup>
Solid residue	100%	21%
Storage (in a dry place in its original packaging)	12 months	12 months. Protect from frost.
Customs Tariff Heading	3824 50 90	3903 30 00

### APPLICATION

	VALUE*	REQUIREMENT°	STANDARD
Mixing ratio	Grey e White: 6.0 litres of latex per 25 Kg powder (24%)		
Curing time	3 min.		
Pot life	30 min.		
Open time	20 min.	20 min.	EN 1346
Adjustability time	20 min.		
Application temperature range	+5°C to +30°C		
Walk-on time – Time before grouting floors	4 to 6 hrs		
Time before grouting walls	2 hrs		
Ready for use	24 hrs (72 hrs basins and swimming pools)		

### PERFORMANCE

	VALUE*	REQUIREMENT°	STANDARD
Vertical creep	0 mm	≤ 0.5 mm	EN 1308
Initial tensile adhesion strength	2.8 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	EN 1348
Tensile adhesion strength after heat	3.0 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	EN 1348
Tensile adhesion strength after water immersion	1.5 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	EN 1348
Adhesion strength after freeze/thaw cycles	1.6 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	EN 1348
Transverse deformation	> 3 mm	> 2.5 mm	EN 12002
Compressive strength	28 N/mm <sup>2</sup>		EN 196
Service temperature range (overlaid with covering)	-30°C to +90°C		

\* Results obtained at +23°C Temperature; 50% Relative Humidity; Ventilation ≤ 2 m/sec.

° Requirement according to EN 12004.



## TECHNICAL TIPS

- **SUPER 24** is suitable for all the applications described herein and does not require use of additional binders (such as cement, lime, gypsum and the like) or additives.
- Use the product only while at a plastic consistency. Once it begins to set, it becomes difficult to spread and you will need to prepare a fresh mix.
- Protect the coverings from rain or washing out for at least 3 to 4 hours and from direct sunlight or frost for at least 12 hours.

## COVERAGE

TROWEL	SUPER 24
6x6 mm	3.6 Kg/m <sup>2</sup>
8x8 mm	4.5 Kg/m <sup>2</sup>
10x10 mm	6.0 Kg/m <sup>2</sup>
Ø15 mm	7.5 Kg/m <sup>2</sup>

## SPECIFICATION

Fixing of ceramic or stone tiles to floors and walls by means of a fast-setting, vertical-creep resistant, two-component cementitious adhesive classified as C2FT S1 according to EN 12004 and EN 12002, such as KEDIL's **SUPER 24**, which can be applied in thicknesses of up to 20 mm.

## WARNINGS AND RECOMMENDATIONS



- Do not use on metal or on vinyl or resilient floors.
- Do not apply in ways or conditions other than those explicitly stated in this technical data sheet.

**KEDIL** recommends that you read the **Introductory Notes** that complete the information provided in this data sheet.

All technical information, data and suggestions for use contained in our technical data sheets, or given verbally or in writing, are based on our best experience.

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