

# KEDILSTONE MAXI

Vers. 01 del 07/2009

Extra-white, vertical-creep resistant, fast setting and hydrating, one-component cementitious adhesive with high polymer content, for professional use. Ideal for fixing natural stones, ceramic and porcelain tiles, including large-sized ones. Suitable for tile-on-tile applications as well as for tiling in swimming pools and in heavy-traffic and high-stress areas.

Classified as C2FT adhesive (according to EN 12004).

Mixing **KEDILSTONE MAXI** with **ADIFLEX** will result in an adhesive that meets the requirements for Class C2FT S2 (Highly deformable, polymer-modified cementitious adhesive according to EN 12004 and EN 12002).



## FIELDS OF USE

- Fast fixing of stone materials, including materials that are subject to staining yet dimensionally stable to moisture, and of absorbent and non-absorbent tiles to indoor and outdoor floors and walls.
- High-performance tiling applications, such as fixing of large-sized tiles, façade tiling (both by double-spreading application method), tiling over existing tiles and in swimming pools. Suitable for heavy-traffic and high-stress areas.
- Tiling on not perfectly flat substrates, in thicknesses of up to 15 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

**KEDILSTONE MAXI** consists mainly of a blend of cements, mineral fillers and specific additives.

## MIXING

Mix the powder with clean water 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 **KEDILSTONE MAXI** 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

Appearance	Powder
Colour	Extra white
Bulk density	1.20 Kg/m <sup>3</sup>
Solid residue	100%
Storage (in a dry place in its original packaging)	12 months
Customs Tariff Heading	3824 50 90

### APPLICATION

	VALUE*	REQUIREMENT <sup>o</sup>	STANDARD
Mixing ratio	5.25 litres of water per 25 Kg powder (21±1%)		
Curing time	3 min.		
Pot life	40 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	48 hrs (72 hrs basins and swimming pools)		

### PERFORMANCE

	VALUE*	REQUIREMENT <sup>o</sup>	STANDARD
Vertical creep	0 mm	≤ 0.5 mm	EN 1308
Initial tensile adhesion strength	1.6 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	EN 1348
Tensile adhesion strength after heat	1.7 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	EN 1348
Tensile adhesion strength after water immersion	1.1 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	EN 1348
Adhesion strength after freeze/thaw cycles	1.2 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	EN 1348
Compressive strength	12 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.

<sup>o</sup> Requirement according to EN 12004.



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## TECHNICAL TIPS

- **KEDILSTONE MAXI** 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	KEDILSTONE MAXI
8x8 mm	4.0 Kg/m <sup>2</sup>
10x10 mm	5.0 Kg/m <sup>2</sup>
Ø15 mm	7.0 Kg/m <sup>2</sup>

## SPECIFICATION

Fixing of ceramic or stone tiles to floors and walls by means of an extra-white, fast-setting, vertical-creep resistant, one-component cementitious adhesive classified as C2FT according to EN 12004, such as KEDIL's **KEDILSTONE MAXI**, which can be applied in thicknesses of up to 15 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.

However, since the jobsite conditions and final use of this product are beyond our control, all information is provided as a guide only and it shall not be binding, legally or in any other way, towards third parties. Therefore, it is recommended that the customer/user conduct their own tests to determine the behaviour of each product under the weather and application conditions at the jobsite.

Before using our products, to make sure that this technical data sheet is up-to-date and that it has not been superseded by a more recent edition, please download the latest version from our web site **www.kedil.eu**.