

# ADEX

Vers. 01 del 07/2009

One-component cementitious adhesive for professional use, available in white or grey. Suitable for fixing ceramic tiles, natural stones and mosaics. Classified as Class C1 adhesive (according to EN 12004).

By mixing **ADEX** with **TOPGUM** or with **ADIFLEX**, instead of water, requirements for Class C2 S1 and C2 S2 adhesives respectively are met (according to EN 12004 and EN 12002).



## FIELDS OF USE

- Fixing of absorbent ceramic tiles and stone mosaics, as long as moisture stable, to indoor and outdoor floors and walls.
- Suitable for use on cementitious plasters and screeds and gauged mortar.
- Applications on gypsum, scagliola or anhydrite screeds, provided the surface is primed with **APPREX G** at least 6 hours before tiling.

When **ADEX** is mixed with **TOPGUM** or with **ADIFLEX** instead of water, it can be used to fix non-absorbent materials, non-moisture sensitive stone and large-sized tiles, as well as for tile-on-tile applications and for tiling in swimming-pools and on heating screeds, as the resulting adhesives meet the requirements for Class C2 S1 and C2 S2 respectively (to EN 12004 and EN 12002).

## NATURE OF THE PRODUCT

**ADEX** 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 5 minutes and then stir again briefly. The product has the appearance of a creamy paste and is easily applied with a trowel.

## APPLICATION PROCEDURE

Apply a thin coat of **ADEX** 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 indoor applications, 100% for outdoor applications).

For 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	Grey or White
Bulk density	1.40 Kg/dm <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°	STANDARD
Mixing ratio	<b>Grey:</b> 6.50 litres of water per 25 Kg powder (26±1%) <b>White:</b> 7.00 litres of water per 25 Kg powder (28±1%)		
Curing time	5 min.		
Pot life	6 hrs		
Open time	20 min.	20 min.	EN 1346
Adjustability time	40 min.		
Application temperature range	+5°C to +35°C		
Walk-on time – Time before grouting floors	24 to 36 hrs		
Time before grouting walls	4 to 6 hrs		
Ready for use	14 days		

## PERFORMANCE

	VALUE*	REQUIREMENT°	STANDARD
Initial tensile adhesion strength	1.0 N/mm <sup>2</sup>	> 0.5 N/mm <sup>2</sup>	EN 1348
Tensile adhesion strength after water immersion	0.7 N/mm <sup>2</sup>	> 0.5 N/mm <sup>2</sup>	EN 1348
Compressive strength	7 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

- **ADEX** 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 creamy 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 24 hours and from direct sunlight and frost for at least one week.

## COVERAGE

TROWEL	ADEX
6x6 mm	3.0 Kg/m <sup>2</sup>
8x8 mm	4.0 Kg/m <sup>2</sup>
10x10 mm	5.0 Kg/m <sup>2</sup>

## SPECIFICATION

Fixing of ceramic or stone tiles to floors and walls by means of a one-component cementitious adhesive, which meets the requirements for Class C1 according to EN 12004, such as KEDIL's **ADEX**.

## WARNINGS AND RECOMMENDATIONS



- Do not use on concrete, plasterboard, metal or non-absorbent floorings.
- 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**.