

# TILE ADHESIVES & GROUTS

**isomat**

**building quality**

## Classification of tile adhesives as C1 & C2 according to EN 12004

Description of the test method	Minimum Requirement	
Adhesive strength after 28 days	<b>C1</b> $\geq 0,5 \text{ N/mm}^2$	<b>C2</b> $\geq 1,0 \text{ N/mm}^2$
Adhesive strength after heating in +70 °C for 14 days	<b>C1</b> $\geq 0,5 \text{ N/mm}^2$	<b>C2</b> $\geq 1,0 \text{ N/mm}^2$
Adhesive strength after immersion in water for 21 days	<b>C1</b> $\geq 0,5 \text{ N/mm}^2$	<b>C2</b> $\geq 1,0 \text{ N/mm}^2$
Adhesive strength after 25 freeze-thaw cycles	<b>C1</b> $\geq 0,5 \text{ N/mm}^2$	<b>C2</b> $\geq 1,0 \text{ N/mm}^2$
Open Time	$\geq 20 \text{ minutes}$	

## ADDITIONAL SYMBOLS FOR SPECIFIC TILES ADHESIVES

MEASURED PROPERTY	EN	MINIMUM REQUIREMENT	TYPE	EXPLANATION
Definition of Slip effect	EN 1308	$\leq 0,5$ mm	<b>T</b>	Non-slip tile adhesive
Open time	EN 1346	$\geq 30$ min	<b>E</b>	Tile adhesive with increased open time
Adhesive strength after 6 hours.	EN 1348	$\geq 0,5$ N/mm <sup>2</sup>	<b>F</b>	Fast-setting tile adhesive

## TYPES OF TILE ADHESIVES

<b>Cement-Based adhesives</b>	<b>Cement-based adhesives with addition of resins</b>	<b>Cement-based adhesives with addition of resins &amp; elastificators</b>	<b>Special tile adhesives</b>
<p>ISOMAT AK-9 MULTIFIX AK-10</p>	<p>ISOMAT AK-11 ISOMAT AK-12 ISOMAT AK-20 ISOMAT AK-22 ISOMAT AK-25 ISOMAT AK ECOLIGHT ISOMAT AK-LIGHT</p>	<p>ISOMAT AK-ELASTIC ISOMAT AK- MEGARAPID</p>	<p>ISOMAT AK-RAPID DECOFIX AK-GRAND ISOMAT AK-STONE ISOMAT AK-MARBLE ISOMAT AK-FLUX MULTIFLEX ISOMAT AK-50 AK-EPOXY NORMAL AND FAST ISOMAT AK THERMO ISOMAT AK-BLOCK</p>

**CEMENT-BASED TILE ADHESIVES**



# CEMENT-BASED TILE ADHESIVES WITH RESINS (Polymer modified)



# ISOMAT AK-LIGHT

## Flexible, light weight, polymer-modified tile adhesive

Suitable for fixing absorptive or non-absorptive tiles, natural stones, decorative bricks etc. on demanding substrates like old tile layers, floors with in-floor heating, metallic surfaces, swimming pools etc., on walls or floors.

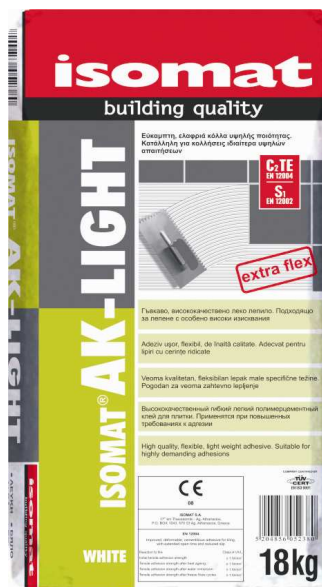
### PROPERTIES

- 30% less consumption of material
- Very easy applicable
- Easier and cheaper transportation
- High elasticity
- Moisture resistant
- Suitable for indoor and outdoor applications.

**CONSUMPTION:** 1,0-3,0 kg/m<sup>2</sup>

**PACKAGING:** paper bags of 18kg

**AVAILABLE COLORS:** grey, white



**C2 TE S1**

**EN 12004 – EN 12002**

# CEMENT-BASED TILE ADHESIVES WITH RESINS & ELASTIFICATORS

**AK-ELASTIC** the most flexible adhesive for difficult substrates

**AK-MEGARAPID** flexible and fast setting with very high bond strength





# SPECIAL TILE ADHESIVES

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Fast setting

For fixing natural stones

For fixing decorative bricks

For fixing marbles

For fixing insulation panels (EPS, XPS, MW etc)

For fixing aerated concrete blocks (Ytong)

For fixing glass blocks

For fixing bricks in fire places

Epoxy –high bond strength and chemical resistance

Ready to use



**TILE GROUTS**



# Cement based grouts



- MULTIFILL 2-5
- MULTIFILL 3-15
- MULTIFILL SMALTO 1-8
- MULTIFILL RAPID
- MULTIFILL MARBLE 0-2
- MULTIFILL STONE

All the cement based tile grouts are classified as CG2 WA – improved cementitious grouts with low water absorption and high abrasion resistance, according to the European standard EN 13888



# Epoxy based grouts



**MULTIFILL EPOXY THIXO** available in 5 colors and other by request

**MULTIFILL EPOXY FLOW** available in light grey and other colors by request

**MULTIFILL EPOXY GLITTER** available in 10 colors

Epoxy grouts offer high mechanical and chemical strength, they are suitable for industrial areas like breweries, dairies, laboratories, slaughterhouses and in other food or chemical industries as well as in pools, kitchens etc.

All epoxy tile grouts are classified as RG (Resin Grout) according to the European standard EN 13888





**Thank you for your attention!**