TILE ADHESIVES & GROUTS

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

<table>
<thead>
<tr>
<th>Description of the test method</th>
<th>Minimum Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesive strength after 28 days</td>
<td>( C_1 \geq 0.5 \text{ N/mm}^2 )</td>
</tr>
<tr>
<td>Adhesive strength after heating in +70 °C for 14 days</td>
<td>( C_1 \geq 0.5 \text{ N/mm}^2 )</td>
</tr>
<tr>
<td>Adhesive strength after immersion in water for 21 days</td>
<td>( C_1 \geq 0.5 \text{ N/mm}^2 )</td>
</tr>
<tr>
<td>Adhesive strength after 25 freeze-thaw cycles</td>
<td>( C_1 \geq 0.5 \text{ N/mm}^2 )</td>
</tr>
<tr>
<td>Open Time</td>
<td>( \geq 20 \text{ minutes} )</td>
</tr>
</tbody>
</table>
### ADDITIONAL SYMBOLS FOR SPECIFIC TILES ADHESIVES

<table>
<thead>
<tr>
<th>MEASURED PROPERTY</th>
<th>EN</th>
<th>MINIMUM REQUIREMENT</th>
<th>TYPE</th>
<th>EXPLANATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Definition of Slip effect</td>
<td>EN 1308</td>
<td>≤0,5 mm</td>
<td>T</td>
<td>Non-slip tile adhesive</td>
</tr>
<tr>
<td>Open time</td>
<td>EN 1346</td>
<td>≥ 30 min</td>
<td>E</td>
<td>Tile adhesive with increased open time</td>
</tr>
<tr>
<td>Adhesive strength after 6 hours.</td>
<td>EN 1348</td>
<td>≥0,5 N/mm²</td>
<td>F</td>
<td>Fast-setting tile adhesive</td>
</tr>
</tbody>
</table>
# TYPES OF TILE ADHESIVES

<table>
<thead>
<tr>
<th>Cement-Based adhesives</th>
<th>Cement-based adhesives with addition of resins</th>
<th>Cement-based adhesives with addition of resins &amp; elastificators</th>
<th>Special tile adhesives</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOMAT AK-9 MULTIFIX AK-10</td>
<td>ISOMAT AK-11 ISOMAT AK-12 ISOMAT AK-20 ISOMAT AK-22 ISOMAT AK-25 ISOMAT AK ECOLIGHT ISOMAT AK-LIGHT</td>
<td>ISOMAT AK-ELASTIC ISOMAT AK-MEGARAPID</td>
<td>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</td>
</tr>
</tbody>
</table>
CEMENT-BASED TILE ADHESIVES
CEMENT-BASED TILE ADHESIVES WITH RESINS (Polymer modified)
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/m²
PACKAGING: paper bags of 18kg
AVAILABLE COLORS: grey, white
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

- 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 GROUNTS
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!