

# Kemtile E

Three-Components, Solvent Free, Epoxy Adhesive Mortar for Ceramic Floor, Marble & Wall Tiles EN 12004 (Type R. Class T2)

<b>Description</b>	<b>Kemtile E</b> is three-components solvent-free epoxy mortar consisting of resin, selected hardener & oven-dried graded filler, specially formulated for fixing & pointing applications where high strength, good adhesion & very good chemical resistance are required.
<b>Where to use</b>	<ul style="list-style-type: none"> <li>• Food processing, and soft drinks factories</li> <li>• Petrochemical industries</li> <li>• Waste water tunnels and tanks</li> <li>• Metal industries</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• Good chemical resistance</li> <li>• Easy to apply, fast &amp; accurate application</li> <li>• Long-term behavior is durable &amp; long-lasting</li> <li>• Waterproof</li> <li>• Excellent adhesion to steel and concrete</li> <li>• Resistant to mold and fungus</li> </ul>
<b>Properties</b>	It Complies with EN 12004, ANSI A118.3, ASTM C 307, C 579
Adhesion strength	≥ 2 N/mm <sup>2</sup>
Initial hardness	18 hrs. at 23 °C
Specific gravity	1.95 ±0.10
Pot life @ 23 °C	60 min (reduced at higher temperatures)
Tensile strength	15 N/mm <sup>2</sup>
Compressive Strength	70 N/mm <sup>2</sup>
Fully Cured	7 days @ 23 °C
<b>How to use</b>	<p><b>For Newly poured concrete:</b></p> <ul style="list-style-type: none"> <li>• Allow to fully cure 28 days prior to application</li> <li>• Remove any curing membrane by sanding or etching with a strong detergent</li> </ul> <p><b>Old concrete:</b></p> <ul style="list-style-type: none"> <li>• Thoroughly clean the surface with a grease-cutting detergent to remove grease and oils, and remove any loose or unsound concrete by chipping, scarifying, shot blasting, sanding, or grinding</li> <li>• Proceed as for newly poured concrete</li> </ul> <p><b>Previously coated concrete:</b></p> <ul style="list-style-type: none"> <li>• Remove any peeling or degraded paint by sanding or using a paint stripper</li> <li>• For intact paint, thoroughly clean the surface with a strong detergent, then lightly sand to remove any gloss</li> <li>• Treat any areas worn down to the original concrete as bare concrete</li> <li>• All damaged areas, cracks, and surface irregularities must be repaired and smoothed</li> </ul> <p><b>For metal surfaces:</b></p> <ul style="list-style-type: none"> <li>• sandblast to the white metal surface</li> </ul>
<b>Mixing</b>	<ul style="list-style-type: none"> <li>• Base and hardener should then be mixed until uniform color and consistency are achieved</li> <li>• The filler should then be incorporated using a slow-speed drill and paddle</li> </ul>

Application	<ul style="list-style-type: none"> <li>• The substrate surface must be clean, dry and free from any grease, oil, dust, release agents and any other substances that potentially could have a negative influence on the adhesion</li> <li>• Allow full cure and maximum humidity should not be more than 5%</li> <li>• Apply optionally a key coat of <b>Sealer E43</b> at the rate of 0.15 – 0.2 Kg/m<sup>2</sup></li> <li>• Before the key coat set the mixed adhesive should be spread evenly on the surface using a serrated trowel or comb</li> <li>• Tiles should be placed within the working time of the adhesive regarding the temperature</li> <li>• Leave joints between tiles (3 – 5 mm) wide, to be filled with <b>Kemjoint E</b></li> <li>• The surface and weather temperature should be 10 - 30 °C</li> </ul> <p>The material is not to be exposed to traffic, chemicals, and water before it is fully cured 7 days</p>
Theoretical coverage	6 kg/m <sup>2</sup> for 3 mm thickness
Packaging	Three-pack system. 30 & 10 Kg
Shelf life & Storage	<b>Kemtile E</b> has a shelf life of 12 months at least when stored in normal dry conditions
Cleaning	Tools and application equipment should be cleaned with a <b>Prosolve</b> immediately after use
Health and Safety	<ul style="list-style-type: none"> <li>• Care should be taken to avoid inhalation of dust and to prevent material from entering the eyes</li> <li>• Use goggles-gloves and a breathing mask when applying</li> <li>• Apply forced ventilation in confined spaces</li> <li>• Remove splashes from the skin with a hand cleanser or soap and water</li> <li>• Eye splashes are to be washed with plenty of water</li> </ul>
Additional Information	<p><b>PROKEM</b> provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure</p> <p><b>PROKEM</b> designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction</p> <p><b>PROKEM</b> reserves the right to change the properties of its products</p> <p>All orders are accepted subject to our current term of sale &amp; delivery</p> <p>Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request</p> <p><b>PROKEM</b> extends technical services to include after-sales support to assist users in the proper handling of our products</p>