

Kemjoint E

Epoxy-Based Jointing Compound for Ceramic & Marble (Type RG, Class T2)

Description	<p>Kemjoint E is a three-components epoxy system developed for use in conditions where a high degree of hygiene is important. It has good application properties and can be washed off with a special solvent.</p> <p>When cured, Kemjoint E possesses the very good water resistance, chemical resistance, and adhesive properties of epoxy resin, and provides an impervious, non-shrinking jointing compound that can be readily maintained in a serial condition.</p>
Where to use	<ul style="list-style-type: none"> • Kemjoint E is used where a high degree of hygiene is important, e.g. hospitals, food factories, abattoirs, and swimming pools. • It is also suitable for use in showers, splash backs, tiled works surfaces, and tabletops.
Advantages	<ul style="list-style-type: none"> • Kemjoint E is a temperature resistance material. • It is a bacteriological resistance material. • It is a chemical-resistant material. • Easy to apply. • Available in different colors.
Properties	It Complies with EN 12004, EN13888, ANSI A118.3, EN12808-2,3,4,5
Pot life @ 23 °C	50 minutes (reduced at higher temperatures)
Initial hardness	18 hrs. @ 23°C
Fully cured	7 days @ 23°C
Specific Gravity	1.86 ±0.08
Coefficient thermal expansion	$60 \times 10^{-6} / ^\circ\text{C}$
Modulus of elasticity	2000 N/m ²
Flexural strength	23.77 N/mm ²
Abrasion resistance	211 mm ³
Shrinkage	1.07 mm/m
Water absorption	0.08 g
How to use	
Surface Preparation	<ul style="list-style-type: none"> • Leave tiles overnight to dry before jointing. • Remove all loose materials and dust.
Mixing	<ul style="list-style-type: none"> • Kemjoint E is supplied in three separate containers, marked resin, hardener, and the filler packed in a carton. The larger resin container is big enough to accommodate all the mixing necessary to prepare one kilogram of grout. • Add all the contents of the hardener container to the contents of the larger resin container, the two components must then be mixed thoroughly until a uniform color is achieved. • Next the filler is slowly added and stirred in and kneaded till it is evenly wetted, the mixing period is about 5 minutes. • The grout is then ready for immediate use.

Application	<ul style="list-style-type: none"> • Kemjoint E is particularly suitable for use at temperatures between 10 °C and 30 °C. • Pot life 50 min @ 23 °C • Kemjoint E should be applied with a palette knife or plastic spatula. It may also be applied in a conventional way but this method may result in some wastage and more cleaning off may be necessary. <p>Work in small areas, e.g. about 0.5 sq.m. at a time.</p>
Theoretical coverage	1 Kg / 5 Lm for joints (width × depth) as (5 × 20mm).
Packaging	Three-pack system. 30 & 10 Kg
Shelf life & Storage	Kemjoint E has a shelf life of 12 months at least when stored in normal dry conditions.
Cleaning	Tools and application equipment should be cleaned with water immediately after use.
Health and Safety	<ul style="list-style-type: none"> • Kemjoint E is non-toxic • Care should be taken to avoid inhalation of dust and to prevent material from entering the eyes. • Use goggles-gloves and a breathing mask when applying. • Apply forced ventilation in confined spaces. • Remove splashes from the skin with a hand cleanser or soap and water. • Eye splashes are to be washed with plenty of water.
Additional Information	<p>PROKEM 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>PROKEM 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>PROKEM reserves the right to change the properties of its products.</p> <p>All orders are accepted subject to our current term of sale & 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>PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products.</p>