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Kemjoint E

Epoxy-Based Jointing Compound for Ceramic & Marble, Type RG

Description	**Kemjoint E** is a three-components epoxy where part A is the Base, Part B is the Hardener, and Part C is very selective and graded filler. 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. 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.
Where to use	• **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	• **Kemjoint E** is a temperature resistance material • It is a bacteriological resistance material • It is a chemical-resistant material – refer to Prokem chemical chart • Easy to apply • Available in different colors
Properties	It Complies with EN13888, ANSI A118.3, EN12808-2,3,4,5
Pot life @ 23 °C	50 minutes (reduced at higher temperatures)
Initial hardness	18 hours @ 23°C
Fully cured	7 days @ 23°C
Specific Gravity	Parts A+B: 1.68 ± 0.1% Part C : 2.1 ± 0.2% 2 ±0.2% for Mixture
Coefficient thermal expansion	60×10^{-6} / °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
Aliphatic hydrocarbons	Resistant
Chromic acid 40%	Resistant
Aluminum hydroxide	Resistant
Salt solution concentrated	Resistant
Sodium chloride 30%	Resistant
Sulpheric acid 80%	Limited Resistant
Waste water, sewage	Limited Resistant

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Surface Preparation	• Leave tiles overnight to dry before jointing • Remove all loose materials and dust
Mixing	• **Kemjoint E** is supplied in three separate containers, marked resin, hardener, and the filler packed in a carton • 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	• **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 • Work in small areas, e.g. about 0.5 sq.m. at a time
Theoretical coverage	One set of 30 Kg will yield approximately 15 liters ± 2%
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	• **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	**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 **PROKEM** designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction **PROKEM** reserves the right to change the properties of its products All orders are accepted subject to our current term of sale & delivery 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 **PROKEM** extends technical services to include after-sales support to assist users in the proper handling of our products