

Kembond DQ 100

Transparent, UV Resistant, Two-component, Polyurethane Resin Binder for Stone Carpet

Description	Kembond DQ 100 is Decorative Two-component, Polyurethane Resin Binder for Stone Carpet System. Stone Carpet is a decorative flooring system made of natural quartz aggregates bound with a clear polyurethane resin. It provides a seamless, hard-wearing, and aesthetically appealing surface suitable for outdoor applications. Non-slip , even when wet, due to its open-pore texture that allows water to drain through		
Where to use	• Showrooms and exhibition areas • Patios and balconies • Swimming pool surrounds • Reception areas • Retail and commercial spaces		
Advantages	• Delivers a safe, non-slip surface even in wet conditions, thanks to its open-pore texture • UV resistant (when using outdoor) • High abrasion resistance • Decorative natural stone appearance • Easy to clean and maintain • Weather resistant		
Properties			
Flexural Strength	25 N/mm ²		
Bond Strength	>2 N/mm ²		
Tensile Strength	2.6 – 2.9 N/mm ²	(ASTM D-412)	
Elongation	80 %	(ASTM D-412)	
Abrasion resistance	25 N/mm ²		
Standards	ASTM C-957, C-1127, C-501, C-836, ASTM E108 & DIN 4102 Class 1, ISO 10545		
Surface Preparation	• Surfaces to be coated must be clean and sound, free of dust loose particles, grease, oil, curing compounds, mold oil sand • Bitumen or primers from previous membrane systems should be removed by shot blasting or mechanical means • Spalled concrete should be repaired by cutting out to sound concrete and patching with a suitable product from Kemrepair range		
Application	• Ensure the substrate is load bearing, clean, and free from any substances that may prevent proper adhesion • Prime the substrate with Sealer PU or Kembond DQ 100 • Let the primer dry, approximately 1 hour at 25 °C • If required, install edge trims to define the application area • Fix trims using a suitable assembly adhesive • Once the primer is fully cured and inspected, proceed with the application of the Stone Carpet DQ Aggregates by mixing the aggregates with Kembond DQ 100 Binder at the specified ratio and spreading evenly over the surface • Apply a final coat of Kembond DQ 100 (Optional) • Allow the stone carpet to be cured for approximately 24 hours at 25°C before use		
Cleaning	Clean immediately using Prosolve PU		

Theoretical Coverage	• Kembond DQ 100 1 Kg/m²/1 cm thickness • Stones DQ Agg 10 – 15 Kg/m²
Packaging	• Kembond DQ 100 :1,5,20 Kg in Pails • DQ Aggregates: 25 Kg in Bags
Shelf life & Storage	One year in its unopened packs stored in appropriate conditions
Health and Safety	• Use gloves to avoid contact with skins • If skin comes in contact, wash immediately with soap and water • Do not use solvents • Eye contamination must be immediately washed with water, then seek medical treatment
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, then and 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 a proper handling of our products.