EXPANSION JOINT FILLER
AGGLOMERATED CORK

TECHNICAL SPECIFICATION

GENERAL DEFINITION AND PRODUCT COMPOSITION		
Definition	Low-density technical agglomerated cork made of high-quality cork granules of dimension between 2 and 4 mm, with the addition of a mono-component binder mix (modified polyurethane solvent-free pre-polymer) and by a combined action of pressure and temperature. CORKXPAND cork composite is designed to be used as a gap filler between expansion joints in concrete structures.	
Dimensions	Produced in cork blocks with dimensions of 960 x 640 x 200 mm (3.1 ft x 2.1 ft x 7.8 in). Cork blocks are sliced in sheets of the required thickness. Length, width and thickness of sheets can be customized to required values. Standard size of sheets (trimmed): 915 x 610 mm (3 ft x 2 ft) Standard thicknesses: 10 mm (0,39 in); 12 mm (0,47 in); 15 mm (0,59 in); 20 mm (0,79 in); 25 mm (0.98 in); 30 mm (1.18 in).	
Product structure and materials	Structure: Low-density solid agglomerated cork. Materials: Granulated cork 2-4 mm size and 45/55 Kg/m^3 density. Polyurethane pre-polymer binder mixture.	
Installation	Sheets designed to fill gaps between expansion joints in concrete structures. Sheets can be cut in strips to comply with the project's needs.	
TECHNICAL DATA		
Length and width	EN ISO 24341	Trimmed: 915 x 610 mm (3 ft x 2 ft) Tolerance from nominal: < 1 %
Overall thickness	ISO 7322	Tolerance from nominal thickness: < 0,3 mm
Density	ISO 7322	165 Kg/m^3 ± 5 %
Tensile strength	ISO 7322	> 2000 kPa
Compression and Recuperation	ISO 7322	Compression: < 50 % Recuperation: > 80 %
Moisture content	EN 12105	≤ 9 % (For sheets with thickness > 20 mm, moisture can be ≤ 11 %)
Resistance to boiling water	ISO 7322	No disintegration
Formaldehyde emission	EN 12149	No formaldehyde-containing products are added during the manufacturing.
Heavy metals and specific elements As, Ba, Cd, Cr, Hg, Pb, Sb, Se	EN 12149	None of these substances are added or have come in direct contact with the product during the manufacturing process.
Release of vinyl chloride monomer	EN 12149	No polyvinyl chloride or products containing vinyl chloride are used during the manufacturing process.
Thermal conductivity Thermal resistance	EN 12667	Thermal conductivity: 0.05 W/(m.K) Thermal resistance: 10 mm thickness – 0.20 m^2.K/W 12 mm thickness – 0.24 m^2.K/W 15 mm thickness – 0.30 m^2.K/W 20 mm thickness – 0.40 m^2.K/W 30 mm thickness – 0.60 m^2.K/W