

EXPANDACORK

REINVENTING HIGH
DURABILITY AND ELASTICITY
ON EXPANSION JOINTS.



Reinventing how cork engages the world.

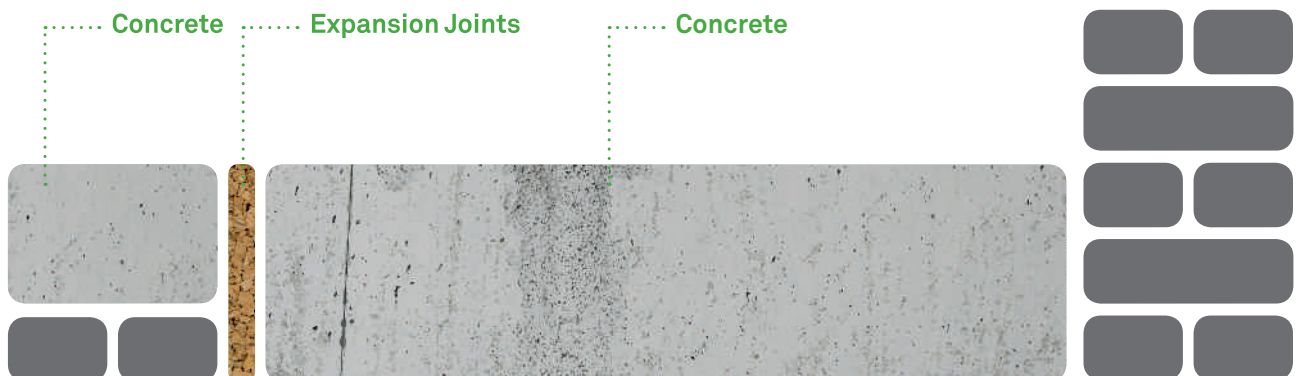


HIGH TECHNICAL PERFORMANCE IN CONCRETE STRUCTURES

EXPANDACORK Expansion Joints.

Designed to fill the gaps left between expansion joints in concrete slabs, **EXPANDACORK** products absorb the vibrations, expansions and contraction caused by heat in the different construction materials. The dilation joints enable the movement of structures without causing damage and ensuring these spaces are always filled. Thus, they are commonly applied in tunnels, water storage and supply systems, aqueducts, dams and airports.

The additional advantages of cork, such as its high durability and resilience and its resistance to against water, oil and acid turn **EXPANDACORK** into a unique resource due to both its sustainability and technical performance.

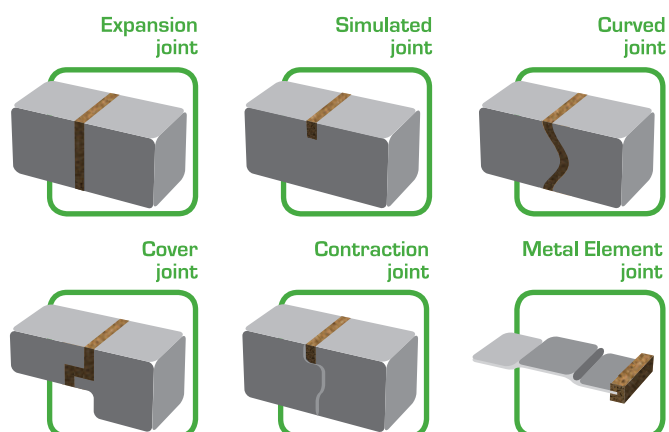




The best solution for dilation joints.

The various types of joints used in construction.

The existing range of **EXPANDACORK** applications responds to a broad variety of the prevailing technical needs.





The right choice for flexible construction solutions.

The advantages of EXPANDACORK to the construction industry.

The materials incorporated into the manufacture of **EXPANDACORK** are especially developed to absorb expansions and the contractions inherent to concrete buildings. The product's unique flexibility enables not only its easy deployment but also its capacity to resist, and without any deterioration, the continuous deformations caused by different climate conditions and thermal ranges while always ensuring the joint remains appropriately filled.



Easy installation (optional mastic utilisation).



Follows the natural movements of the joints.



Great longevity without maintenance requirements.



Water resistant.



Resistant to intense traffic.



No protrusions and entirely contained within the joint.

THE BEST JOINT SOLUTION FOR LARGE THERMAL RANGES



List of Tests

LABORATORY	COUNTRY	FILLING JOINT TYPE II	SELF-EXPANDING JOINT TYPE III
SIRIM	Malasya	✓	✓
SISIR	Singapore	✓	✓
Department of Science Service	Thailand	✓	✓
General Directorate of State Hidraulic Works	Turkey	✓	✓
Harry Stranger	United Kingdom	✓	✓
Crippen Laboratories	USA	✓	✓
ITECONS	Portugal	✓	✓
National Chung Hsing University	Taiwan	✓	✓



Technical specifications

EXPANDACORK TYPE II complies with ASTM 1752 & ASTM D 545

EXPANDACORK TYPE III complies with ASTM 1752 & ASTM D 545

	FILLING THE JOINT TYPE II	FILLING THE JOINT TYPE III
COMPRESSION	50% of initial thickness with a load of between 0.35MPa and 10.35MPa (50 to 1500PSI).	
RECOVERY	90% of original thickness following 50% compression, EXPANDACORK attains 95%.	
EXTRUSION	There is a maximum extrusion level beyond the joint of 6.35mm (1/4") when subject to 50% compression.	
RESISTANCE TO HCI	Submerged into boiling HCl, EXPANDACORK does not disintegrate.	
EXPANSION	n.a.	Submersed in boiling water for the period of one hour, EXPANDACORK - Self-expanding cork type III expands by less than 40% of its original thickness.
DIMENSIONAL VARIATION	n.a.	EXPANDACORK - Self-expanding cork type III does not display any sign of degradation even after the simulation of ten cycles of ageing and continues to completely seal the joint.
SIZES	10mm; 12,5mm; 15mm; 20mm; 25mm; 30mm; 40mm; 50mm*	
STORAGE	EXPANDACORK should be conserved in its original packaging and in a dry place through to its application.	

*Other sizes upon request

REINVENTING HIGH DURABILITY AND ELASTICITY ON EXPANSION JOINTS.

The highly sophisticated and purpose designed absorption and contraction **EXPANDACORK** properties respond and adapt perfectly to the technical needs in a different range of applications and surface types.

In inventing new products, we reinvented the way we solve problems and thereby generate differentiated solutions guaranteeing both greater durability and elasticity in expansion joints.



**REINVENTING
SUSTAINABILITY
FOR THE FUTURE**

Cork is extracted every
nine years without harming
the tree.



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