

DECORATIVE CORK

100% FROM PORTUGAL



486/D 2'x3'x3mm.



WHITE/A 2'x3'x3mm.



486/D(L) 2'x3'x6mm.



WHITE/A(L) 2'x3'x6mm.



823 Corkroll
Width 1.22 m.
Thickness 3 mm., 5 mm., 6 mm.

WHY CORK?



AMORIM

CORK COMPOSITES

Cork is the outer bark of the cork oak tree 100% natural, reusable, and recyclable, cork is one of the world's most versatile material from an environment, social and economic standpoint.

THE CORK OAK TREE CAN LIVE UP TO 200 YEARS

THE BARK RENEWS ITSELF

BARK IS REMOVED EVERY 9 YEARS

CORK KEY CHARACTERISTIC



Excellent acoustic insulation



Hypoallergenic



Excellent thermal insulation



Good resilience



Impermeable to liquids and gases



Extremely light and buoyant



Excellent resistance to fire and high temperature



Excellent elasticity and compressibility



High friction resistance

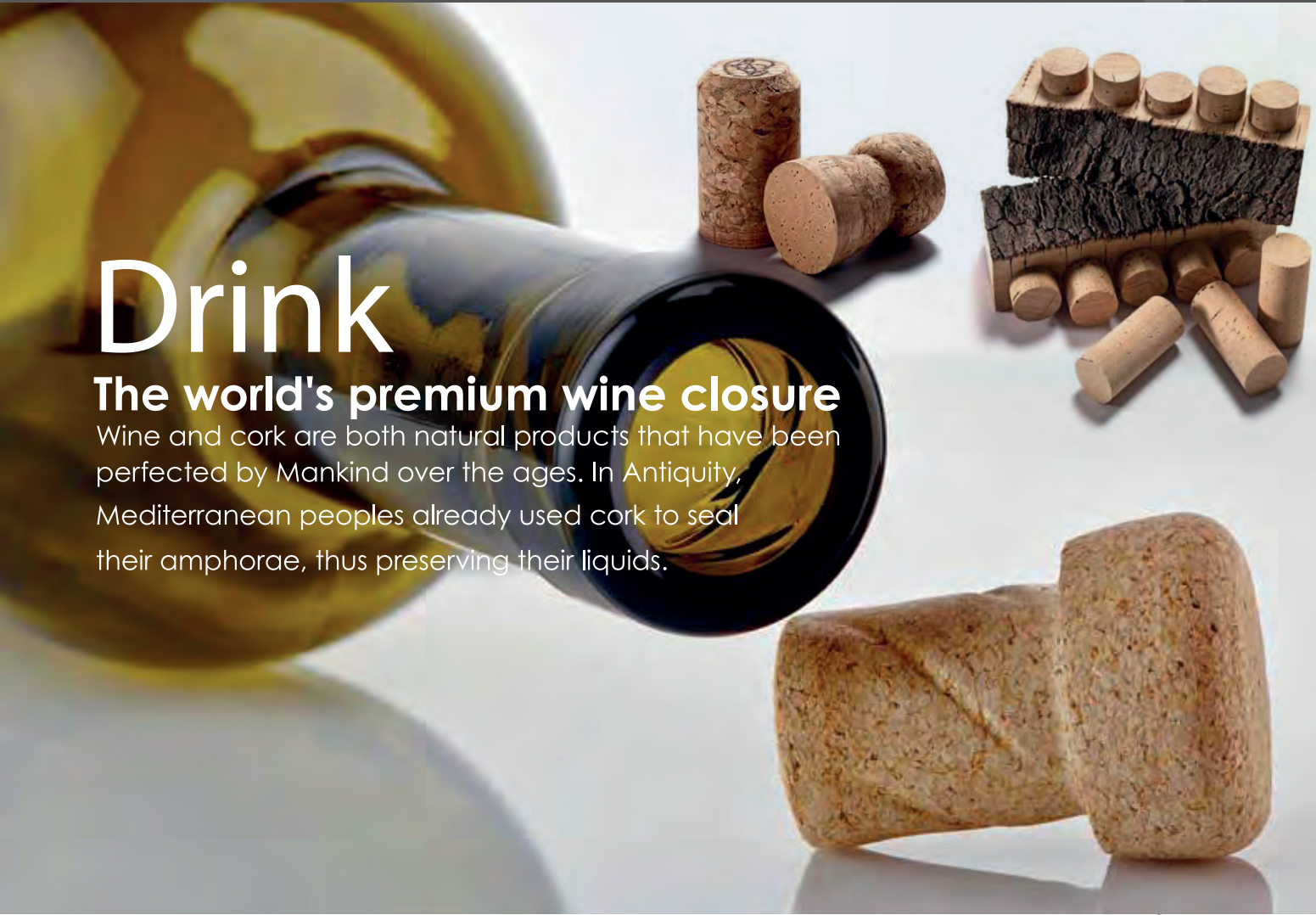


Soft touch

Drink

The world's premium wine closure

Wine and cork are both natural products that have been perfected by Mankind over the ages. In Antiquity, Mediterranean peoples already used cork to seal their amphorae, thus preserving their liquids.



Materia CORK AND DESIGN



CORK Sample projects



Serpentine Gallery Pavillion
London, United Kingdom



Acoustics AcoustiCork

Cork type agglomerated cork
Cork Characteristics acoustic and thermal insulation, vibration absorption, resilience, durability



VitraHaus Loft for Vitra and Artek
By Studioiljoies



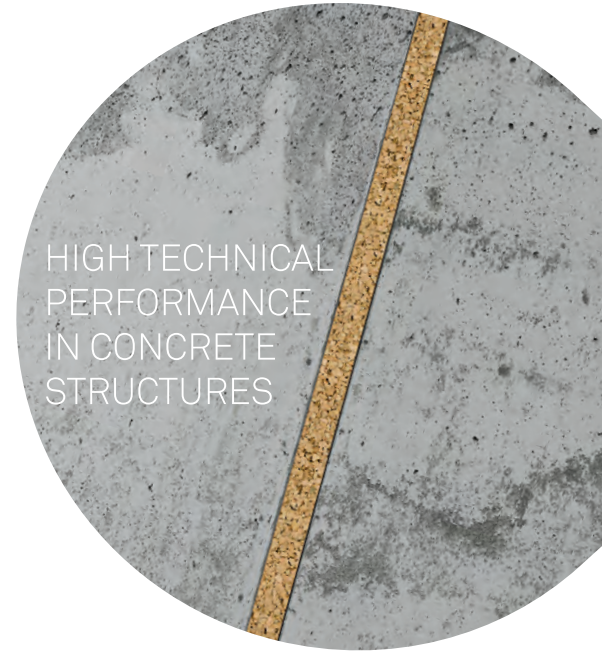
Vitra cork table
by Ronan & Erwan Bouroullec



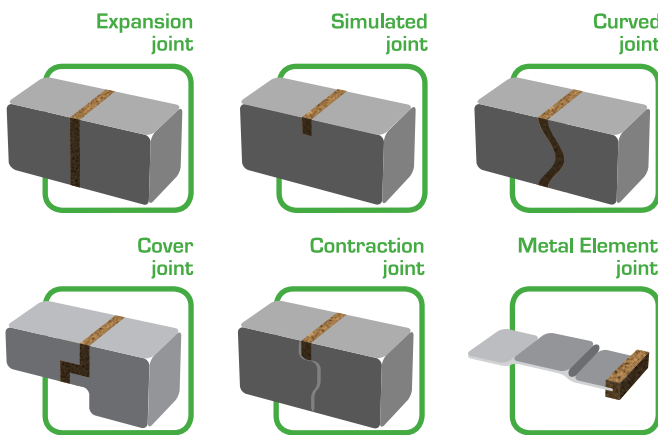
Beller collection by Knoll



By Pedro Sadio & Maria Rita



HIGH TECHNICAL
PERFORMANCE
IN CONCRETE
STRUCTURES



EXPANDACORK Expansion Joints.

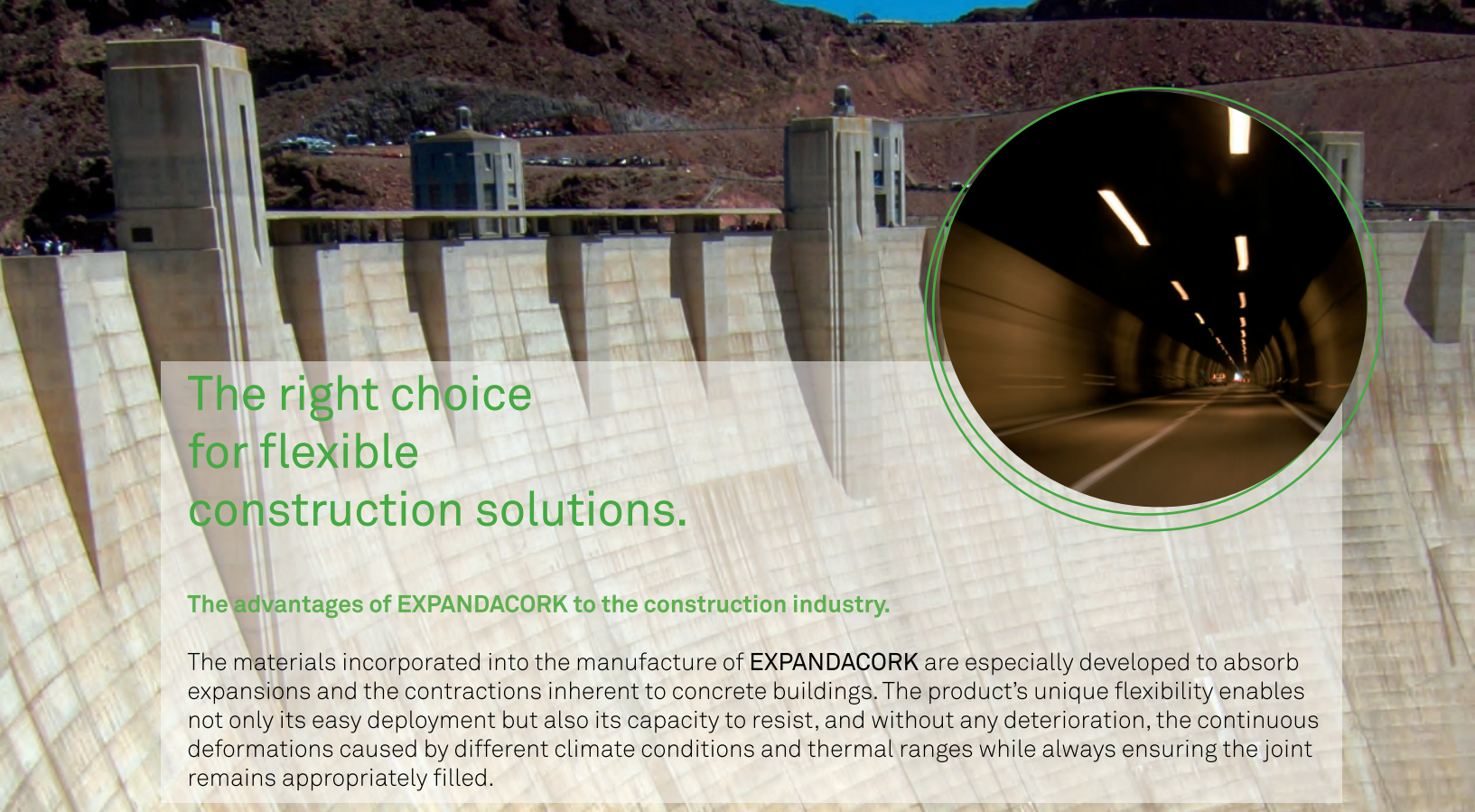
Designed to fill the gaps left between expansion joints in concrete slabs, **EXPANDACORK** products absorb the vibrations, expansions and contraction caused by heat in the different construction materials. The dilation joints enable the movement of structures without causing damage and ensuring these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

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 HCl	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



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).		Water resistant.
	Follows the natural movements of the joints.		Resistant to intense traffic.
	Great longevity without maintenance requirements.		No protrusions and entirely contained within the joint.

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	✓	✓