

TECHNICAL SHEET

cortiPAN 



Our trademark cortiPAN is the greenest high performance thermal and acoustic insulation solution available in the construction world.

The certification CE - ETA-13/0783 gives this product a reliable and commercial status that allows greater confidence in its use.

DOFcork's agglomeration system keeps cork's natural features, including its genuine color and scent.

The fact that the cork cells remain filled with air preserves their elasticity and guarantees almost unlimited durability.



- PERFORMANCE -

The cortiPAN boards have been tested by the Nacional Laboratory of Civil Engineering (LNEC Portugal) and have the European Technical Approval and CE Marking.

		20mm	60mm	Standard
Reaction to fire		Euroclass E		EN 11925-2:2002 EN 13501-1 +A1:2009
Thermal Conductivity		0,045 W/m.K	0,049 W/m.K	EN12667 EN ISO 10456
Thermal Resistance		0,444 m ² .K/w	1,225 m ² .K/w	EN 12667:2001
Sound absorption $\alpha =$ absorption coefficient	Ground surface	0,20 (Classe E)	0,55 (Classe D)	EN ISO 20354 EN ISO 11654
	Moulded surface	0,15 (Classe E)	0,50 (Classe D)	

ISO – International Standard
EN – European Standard

- PERFORMANCE -

Specification	Results	Standards
Water vapour diffusion resistance	$8 \leq \mu \leq 15$	NP EN 12086:1997
Water absorption kg/m ²	<2	NP EN 1609:1998
Compressive strength KPa	>180	NP EN 826:1996
Bending resistance KPa	>120	NP EN 12089:1997
Dimensional Stability (tests performed to isolated cortiPAN and cortiPAN in ETICS system)	Variation <0,5% length and width; <1% thickness (Temperature conditions and RH* tests: 23/50, 23/85, 40/30, 40/80, 60/50)	NP EN 1603:1998 NP EN 1604 NP EN 13170:2008
Durability	Tends to infinity	-

* Relative Humidity

ISO – Norma Internacional
EN – Norma Europea

- **TECHNICAL SPECIFICATIONS** -



98,5 % **corkGRAN** 2 - 14 mm granulometry

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1,5 Binder (solvent-free, urea-formaldehyde free)

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cortiPAN

Cut	Circular saw or angle grinder
Standard density*	170kg/m ³ (±5%)
Standard dimension*	1000 x 500 mm (±1%)
Standard thickness*	10, 20, 30, 40, 50, 60 mm (±1mm)
Packaging	Plasticized pallets 120x100cm
Shipment	20' Containers ≈21,5m ³ 40' Containers ≈48m ³ Truck ≈76,5m ³

* Other features upon request