

## TECHNICAL SPECIFICATIONS: Spray Cork \_ ISOLATE FR “FIRE RESISTANT”

TEST	NORMATIVE	RESULTS	REMARKS
Measurement of bond strength by pull-off.	UNE EN 1542:1999	1,0MPa	Requirements for flexible systems without trafficking $\geq 0,8$ MPa Requirements for rigid systems without trafficking $\geq 1,0$ MPa
Determination of water-vapour transmission properties.	UNE EN ISO 7783:2012	Water -vapour Flow rate: 0,0105g/h	
		Water -vapour transmission rate: 26,6g/m <sup>2</sup> *d	Classification according to transmission speed. From 15 to 150g/m <sup>2</sup> *d. Class: Medium.
		Diffusion - Equivalent air layer thickness: Sd:0,8m	Requirements Class I, Sd < 5m. Permeable to water vapour.
		Water vapour resistance factor: $\mu$ :416	
Determination of water-vapour transmission properties.	UNE EN 1062-3:2008	W: 0,08Kg/m <sup>2</sup> h <sup>0,5</sup>	Liquid Water Transmission Rate Requirement, W < 0,1 Class III (low liquid water permeability) MPa
Thermal Conductivity	UNE EN 12667:2002	0,045 W/m.K	
Thermal Resistance	UNE EN 12667: 2002	1,03 m <sup>2</sup> K/W	
Fire Reaction	EN 13823:2010 + A1:2014 + EN ISO 11925-2:2011  Classification EUROCLASS by EN 13501-1:2018	FIGRA 02 <sub>MJ</sub> = 67,68W/s FIGRA 04 <sub>MJ</sub> = 43,50W/s THR <sub>600s</sub> = 1,04MJ SMOGRA = 11,06m <sup>2</sup> /s <sup>2</sup> TSP <sub>600s</sub> = 72,31m <sup>2</sup> No dropping of drops and inflamed particles  <b>Euroclass: Bs2d0</b>	Test SBI “Single Burning Object”. Energy: 30,7 $\pm$ 2 KW Time: 21 minutes.  Classification Criteria: <b>Euroclass B</b> = FIGRA $\leq 120$ / THR $\leq 7,5$ S2 = SMOGRA $\leq 30$ / TSP $\leq 200$ d0 = No dropping of drops and inflamated particles

Sound Absorption	UNE EN ISO 354:2004	$\alpha_w = 0,05$ (2mm thickness) / 0,08 (to 500Hz)	Reverberant Chamber Test
Tensile test until breakage	ISO 527-1	Maximum Traction Effort: 3,56 N/mm <sup>2</sup>	
		Tensile stress at break: 2,70 N/mm <sup>2</sup>	
		Elongation to breakage: 57,21%	
Outdoor resistance test. Accelerated aging.	EN ISO 11507	No loss of adhesion or "blistering" is observed. No surface cracks are observed. $\Delta E$ : 1,79 (White) Slightly more yellow shade. $\Delta E$ : 1,48 (Terra) Slightly darker shade.	2000 hours of exposure in combined cycles of UV radiation and water condensation.