



TECBOR® A & B BOARDS

TECRESA
PROTECCIÓN PASIVA®



1220

Tecresa
Protección Pasiva®SL

459-F1
09
1220-CPD-0901

DITE nº 09/0057

DITE's guide 018,
1 & 4 parties.
Panel of fire protection.

Tecbor® A - B

Exposition: Type Z₂

DESCRIPTION

Tecbor® A & B boards provide a wide array of construction solutions for passive fire protection in building and industrial applications.

TESTS

Tecbor® boards have CE marking. All tests have been conducted in certified labs pursuant to EN standards as per DITE 018-4 specifications approved by EOTA.

Tecbor® boards contain no hazardous substances according to the Commission's Database DS041/051.

INTEGRAL SERVICE

Tecresa Protección Pasiva®, provides a wide range of construction solutions, has a technical department in charge of developing new solutions on an ongoing basis, and offers technical training and support.

RANGE OF SOLUTIONS

- Steelwork protection.
- Ventilation ducts.
- Partitions (Internal & Wall linings).
- Suspended ceilings.
- Curtain walls.
- Tunnels.



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TECHNICAL CHARACTERISTICS AND SPECIFICATIONS

SPECIFICATIONS	TECBOR® A	TECBOR® B	NORMATIVE
Composition	Magnesite based, silicate & other additives	Magnesite based, silicate & other additives	-
Fire Performance	Non-combustible Euroclass A1	Non-combustible Euroclass A1	UNE - EN 13501-1:2002
Dry Density (40°C)	700 kg/m ³ ± 10%	650 kg/m ³ ± 10%	UNE - EN 12467
Density (23°C and 50% HR)	730	680	UNE - EN 12467
Thermal Conductivity	0,27 W/mk	0,19 W/mk	UNE - EN 12664
Alkalinity pH	8-10	8-10	UNE - EN 13468
Water absorption capacity	1,9 kg/m ²	4,12 kg/m ²	EN 1609
Steam permeability	3,9 x 10 ⁻⁹ (Kg/m ² sPa)	3 x 10 ⁻⁹ (Kg/m ² sPa)	UNE - EN ISO 12572
Lengthwise tolerance	± 5 mm	± 5 mm	UNE - EN 12467
Widthwise tolerance	± 3 mm	± 3 mm	UNE - EN 12467
Thermal expansion (20-100°C)	3,6 (1/°C)*10E-5	3,1 (1/°C)*10E-5	UNE - EN ISO 10.545-8/97
Thickness margin	± 1 mm	+2 mm -1 mm	UNE - EN 12467
Edge straightness	Level I - 0,1%	Level I - 0,1%	UNE - EN 12467
Organic matter content	4,55%	3,30%	UNE 103 204/93
Resistance to water erosion	R _L < 0,75	R _L < 0,75	UNE - EN 12467
Modulus of rigidity E Flexion (MPa)	3018,7	2149,2	UNE - EN 12089 UNE -EN 310
Flexural strength MOR (MPa)	7,2	3,58	EN- 12467
Tensile strength perpendicular to fibre (MPa)	1,2	0,68	EN - 1607
Compressive strength (MPa)	7,07	4,64	EN - 826
Dimensional stability	≤ 0,25%	≤ 0,25%	UNE - EN 326-1
Tensile strength paralell to fibre (MPa)	1,59	0,81	EN 1608
Microbial proliferation	No	No	EN 13403
Life	25 years Z ₂ (internal use)	25 years Z ₂ (internal use)	Dite 09/0057



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TECBOR® A SPECIFICATIONS

TECHNICAL DATA

	Board Thickness mm*		
	10	12	15
Dimensions (mm)	1220x2300	1220x2300	1220x2300
Weight kg/m ² (Humid. 10%)	8 kg/m ²	9,6 kg/m ²	12 kg/m ²
Thermal resistance (m ² °C / W)	0,05	0,06	0,08
Heat transmission rate (W/m ² °C)	20	16,6	12,5

LOGISTICS DETAILS

	Dimensions	
	Pallet	Containers**
Length	2,31 m	5,898 m
Width	1,23 m	2,35 m
Height	490/520/620 mm (for 10/12/15*)	2,39 m

** 20' Dry.

Board Thickness mm*

	10	12	15
Boards / Pallet	40	35	35
m ² / Pallet	112,24 m ²	98,21 m ²	98,21 m ²

TECBOR® B SPECIFICATIONS

TECHNICAL DATA

	Board Thickness mm*	
	20	40
Dimensions (mm)	1220x2300	1220x2300
Weight kg/m ² (Humid. 10%)	13,4 kg/m ²	27 kg/m ²
Thermal resistance (m ² °C / W)	0,11	0,22
Heat transmission rate (W/m ² °C)	9,09	4,54

LOGISTICS DETAILS

	Dimensions	
	Pallet	Containers**
Length	2,31 m	5,898 m
Width	1,23 m	2,35 m
Height	620/740 mm (for 20/40*)	2,39 m

** 20' Dry.

Board Thickness mm*

	20	40
Boards / Pallet	26	15
m ² / Pallet	72,96 m ²	42,09 m ²