

Artboard RECORE® NC

Technical Data Sheet

Product description: Non-combustible panels on silica base foam

Artboard NC is a core board for sandwich construction. It consists of a non-combustible silicate foam. Plate reinforced with fiberglass.

Combines strength, low weight and non-combustibility in the same material. Artboard NC panels consist of number of layers of foamed fiber composites compressed during high temperature into a laminate. The main components of the foam layer are silica resin and fiberglass. The material composition gives the panel low weight, high stiffness, dimensional stability, non-combustibility.



Standard dimension

2440 mm X 1220 mm

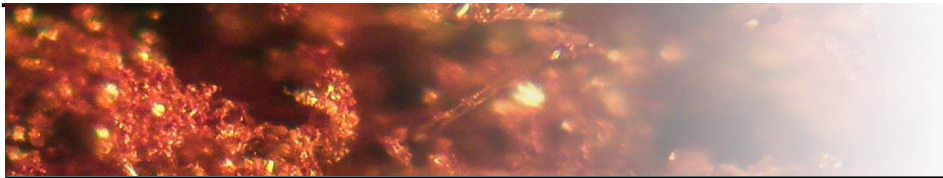
Typical properties	Standard	Unit		P220
Density (nominal)	ISO 845	kgm ³		220
Density tolerance +/- 10%		kgm ³		meet / 198~244
Flexural modulus	ISO 844	MPa		900-1355
Flexural strength	ISO 844	MPa		approx. 4,21
Compressive stress (10%)	ISO 844	MPa		1
Compressive modulus	ISO 844	MPa		approx. 17,5
Thermal conductivity	ISO 8301	Wm ¹ K ¹		0,039-0,040
Fire properties ⁽²⁾	DIN 5510	R (Railway)		S4SR2ST2
	EN 45545-3	R (Railway)		EI 15, E30, EW30
	IMO FTPC Part 3 IMO A 754 (18)	M (Marine)		B15
	IMO A 799	M (Marine)		
Noise reduction	ISO 140-3	dB		approx. 24
Area weight		kgm ²		4,8

(1) Fire properties testing according different standard upon request

(2) Finishing option, other dimensions, thickness and density upon request



(3) Packaging in a wooden box/crate: standard crate is 2500 x 1300 x1200 mm (LxWxH).

Information is current for January 2020



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				Standard dimension	
				2440 mm X 1220 mm	
Typical properties	Standard	Unit			P220
Thickness (Thickness tolerance +/- 0.2 mm. up to 10 mm., or +/- 0.5 mm. from 10 mm.)		mm.			6, 8, 10, 12, 15, 18, 20
Production in other sizes (max. 2640x1220 mm.) and cutting into parts is an additional option upon request for extra charge.					Yes
Basic properties:	Non-combustible, low weight, high rigidity, an energy efficient, sound absorption, water resistance, high dimensional stability, normal compression strength, conduct a wi-fi and cellular signal				
Processing methods:	Cutting, gluing, drill, cover with different types of materials: metal (aluminum), HPL, nylon flock, fiberglass, veneer etc. for achieving anti scratch resistance, for decorative and for other purposes.				
Application:	walls, ceiling, vertical and horizontal partitions, floor, as insulation and to reduce sound transmission/sound absorption. Channels, air ducts, moldings, interior details, decorative elements in the interior etc. Due to its special properties, it is used on patrol boats.				
Industry:					
Certificates and additional data:	ISO 9001:2015, MED B, MED D Quality System for the products, REACH (European Union Regulation for production and use of chemical substances)				

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