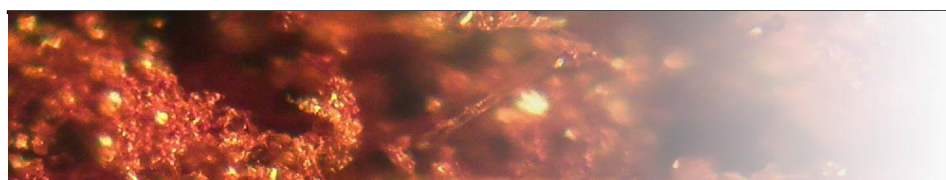


# Artboard RECORE®

## LIGHT Floor G2

### Technical Data Sheet



#### Product description: Composite panels for floor solution

The Artboard Light floor is a new generation composite floor G2, in thicknesses 15 and 18 mm. Artboard panels G2 consist of number of layers of foamed fiber composites compressed during high temperature into a laminate. The material composition gives the panel low weight, high stiffness, dimensional stability, fire resistance, as well as resistance to moisture and chemicals and makes it very easy to process. Consistency of fiber composite structure offers a possibility for making a different connections – joints. Reliable and simple connections between panels assure a long life without maintenance.

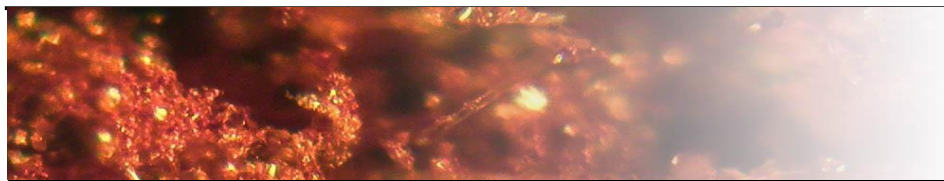
#### Standard dimension

2440 mm X 1220 mm

Typical properties	Standard	Unit	Floor G2-15	Floor G2-18
Density (nominal)	ISO 845	kgm <sup>3</sup>	~ 440	~ 440
Density tolerance +/- 10%			meet	meet
Compressive strength	ISO 844	Nmm <sup>2</sup>	1,2	
Compressive modulus	DIN 53421	Nmm <sup>2</sup>		
Tensile strength	ISO 527	Nmm <sup>2</sup>		
Tensile modulus	ISO 527	Nmm <sup>2</sup>		
Shear strength	ISO 1922	Nmm <sup>2</sup>	0,54	
Shear modulus	ASTM C393	Nmm <sup>2</sup>		
Shear elongation at break	ISO 1922	%		
Thermal conductivity	ISO 8301	Wm <sup>-1</sup> K <sup>-1</sup>	0,046	
Fire properties	DIN 5510	R – railway	S4SR 2ST2	S4SR 2ST2
	EN 45545-2	R - railway	meet	meet
	AFNOR NF 16-101	R - railway	F0M1	F0M1
	IMO A 653	M - marine		
	IMO A 799	M - marine		
Noise reduction	ISO 140-1	dB	27	
Thermal expansion coef.	ASTM D696-7	m m K <sup>-1</sup>	12 x10 <sup>-6</sup>	
Water absorption	ISO 62	%	5-10	
Elongation in length		%	< 0,5	
Elongation in length		%	< 0,5	
Dynamic cycle load	DIN EN 12663	cycles	10 <sup>7</sup> (280 kgm <sup>-2</sup> )	

- (1) Fire properties testing according different standard upon request
- (2) Finishing option, other dimensions 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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				<b>Standard dimension</b>	
				2440 mm X 1220 mm	
<b>Typical properties</b>	<b>Standard</b>	<b>Unit</b>		<b>Floor G2-15</b>	<b>Floor G2-18</b>
Density (nominal)	ISO 845	kgm <sup>3</sup>		~ 440	~ 440
Thickness <small>(Thickness tolerance +/- 0.5 mm.)</small>		mm.		15	18
Special surface per side (HPL, aluminum). Additional option for extra charge.				Yes	Yes
Production in other sizes (max. 2650x1220 mm.) and cutting into parts is an additional option upon request for extra charge.				Yes	Yes
Basic properties:	Low weight, high fire resistance, water resistance, high rigidity, an energy efficient, excellent sound and vibration insulation, sound absorption, high dimensional stability, good 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:	Floors (for railcars, tram, metro, busses, motorhomes, ships), heated floor, walls, vertical and horizontal partitions, interior details, decorative elements in the interior etc.				
Industry:					
Certificates and additional data:	ISO 9001:2015, REACH (European Union Regulation for production and use of chemical substances)				

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