

## Data Sheet LiteCore marine panels

Type/classification:		A15/B15	A60-T&G	H120
Classification according to IMO Annex A.1, item No A.1/3.11a and Annex B, module B		A15	A60	H120
Joint connection		T&G	T&G	T&G
Dimensions:	Unit			
Standard height	mm	2400	2400	2400
Standard width, small element	mm	600	580	580
Standard width, large element	mm	1200	NA	NA
Thickness without surface	mm	25	52	92

### Weight:

Core material density	Kg/m <sup>3</sup>	250	300	300
Weight per m <sup>2</sup> without surface	Kg/m <sup>2</sup>	6,25	15,60	27,60
Weight per m <sup>2</sup> with Laminate 0,7mm (laminate density = 1450kg/m <sup>3</sup> )	Kg/m <sup>2</sup>	8,60	17,95	29,95
Weight per m <sup>2</sup> with steel 0,7mm (steel density = 7800kg/m <sup>3</sup> )	Kg/m <sup>2</sup>	17,49	26,84	38,84
Weight per m <sup>2</sup> with glass tissue 0,25mm	Kg/m <sup>2</sup>	6,89	16,24	28,24

### Thermal insulation:

Thermal conductivity (EN 12667), λ10(average) with out surface	W/(mxK)	0,066	0,072	0,072
U-value, calculated with out surface	W/(m <sup>2</sup> xK)	2,640	1,385	0,783

### Sound reduction:

Without surface	dB	26	29	31
With laminate surface	dB	26	29	31
With steel surface	dB	31	33	35

### Mechanical strength

Screw holding capacity (5x60mm swirew hole 2,8mm), without surface	N	337	345	345
Screw holding capacity (5x60mm swirew hole 2,8mm), with laminate surface	N	550	597	597

### Value for calsiun silikate, core material

Density:	kg/m <sup>3</sup>	250	300	300
Cold crushing strenght (DS/EN/ISO 8895_2006)	Mpa	2,8	2,8	2,8
Moduls of rupture (EN 993-6:1995)	MPa	1,3	1,7	1,7
Total porosity (EN 1094-4:1995)	%	90	89	89
Water content	%	2,5	2,5	2,5
Dimension stability under specified temp. And humidity conditions (EN 1604) at 23°C, 90%RH, 48 hours	%	0	0	0

### Chemical analysis:

Silica	%	47	46	46
Alumina	%	0,3	0,3	0,3
Ferric oxide	%	0,3	0,3	0,3
Magnesium oxide	%	0,6	0,6	0,6
Calsium oxide	%	43	45	45
Sodium oxide	%	0,1	0,1	0,1
Potassium oxide	%	0,1	0,1	0,1
Loss on ignition at 1025°C	%	8	6	6
Non-combustibility tests (EN 13501-1:2007 + A1:2009)	Class	A1	A1	A1
Colour		Grey	Grey	Grey