



ISO 9001:2015

Eco - NAF SPF

JQA

IQID06001-006

CARB :
TPC6/CARB-ATCM / M005 - MDF002

EPA :
TPC6/EPA-TSCA / M005 - MDF002

No. P A R - 0 1 - T Q A - 0 0 4

Tgl. Efektif :
15 Maret 2019

Disetujui oleh,

[Signature]
QMR

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Revisi : 0



APPLICATIONS

ECO - NAF SPF board for applications in the dry indoor sector. Its good surface smoothness enables it to be individually coated with melamine films, laminates, veneers, foils or paints. Eco-NAF SPF is an environmentally friendly board and is very suitable for cabinet applications, display cases, furniture and fixtures. This board is also No-Added Formaldehyde (NAF) compliant in accordance with California Air Resources Board (CARB) formaldehyde emission standards



PERFORMANCE

No formaldehyde is added to the softwood fibres in the manufacture of ECO-NAF. The resultant product far exceeds the rigid class E1 (EN 622-1) low formaldehyde standard. Although formaldehyde is found naturally in wood, and no wood product can be entirely formaldehyde free, independent tests have shown that the free formaldehyde content of ECO-NAF is less than 1.0 mg/100g (equivalent or less than natural wood). The formaldehyde emission from ECO-NAF are well below general ambient outdoor levels.



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APPERANCE

Colour of ECO NAF SPF is the light tan colour of the wood fibre.

CONDITIONING

The moisture content of ECO-NAF SPF is in the range of 5% - 11%.

For stable dimension acquisition, it requires conditioning before cutting on two to three days.

ECO - NAF SPF TECHNICAL SPESIFICATION SHEET

PROPERTY	RANGE	TEST METHOD	UNITS	1.0 < t ≤ 2.0	2.0 < t ≤ 4.0	4.0 < t ≤ 6.0	6.0 < t ≤ 9.0	9.0 > t ≤ 12.0	12.0 > t ≤ 18.0	> 18
Density	Min	EN 323	Kg/m ³	850 - 900	780 - 830	750 - 780	720 - 750	690 - 720	660 - 690	630 - 660
Internal Bond	Min	EN 319	N/mm ²	1.0	1.0	0.8	0.8	0.7	0.7	0.7
Modulus of Rupture	Min	EN 310	N/mm ²	25	25	30	30	30	30	30
Modulus of Elasticity	Min	EN 310	N/mm ²	2500	2500	2800	2800	2500	2500	2300
Screw Holding Face	Min	EN 320	N	-	-	-	-	-	1050	1050
Screw Holding Edge	Min	EN 320	N	-	-	-	-	-	850	850
Moisture Content	Min - Max	EN 322	%	5 - 11	5 - 11	5 - 11	5 - 11	5 - 11	5 - 11	5 - 11
Thickness Swelling (24 hrs)	Max	EN 317	%	35	35	35	30	25	17	17
Surface Absorption	Min	EN 382-1	mm	150	150	150	150	150	150	150
TOLERANCE										
Thickness	Min - Max	EN 324-1	mm	±0.15	±0.15	±0.15	±0.15	±0.15	±0.20	±0.20
FORMALDEHYDE CONTENT										
ECO- NAF	Max	BS EN ISO 12460	mg/100g	0.8	0.8	0.8	0.8	0.8	0.8	0.8
DIMENSIONAL MOVEMENT										
Length/Width	Max	EN 318	mm	3.0	3.0	3.0	3.0	3.0	3.0	3.0

*Screw Holding for thickness 15 mm up