



001
ISO 9001:2015

Exterior SPF

JQA
JQID06001-006

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 :
05 Juni 2020

Disetujui oleh,

[Signature]
QMR

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Revisi : 1



APPLICATIONS

SPF Exterior which has been proven to withstand extreme conditions following supplementary testing; going above and beyond typical EU requirements for wood-based panel products. Exterior MDF is a Water Resistant MDF board which complies with the V100 testing method (defined in Standard 1087-1). It is suitable for being used in Classes of Risk 1, 2 and 3, as defined by standard EN 335-3.

The product is identifiable from other MDF products by its dark brown neutral wood colour. SPF also recommend sealing and painting all SPF Exterior boards with appropriate products if being.



SPF Exterior is very suitable for :

- ❖ Signage
- ❖ Shop fronts
- ❖ External woodwork
- ❖ Exterior mouldings
- ❖ Garden furniture components
- ❖ Sports scoreboards
- ❖ Fascias



PERFORMANCE

- ❖ High resistance to humidity
- ❖ Good dimensional stability
- ❖ Low swelling in extreme humidity

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APPERANCE

The product is identifiable from other MDF products by its dark brown neutral wood colour.

CONDITIONING

The moisture content of Exterior Grade 2 is in the range of 5% - 11%. For stable dimension acquisition, it requires conditioning before cutting on two to three days. All Exterior Grade MDF will need maintenance every 3 to 6 months with minimum lacquer or solvent paint.

EXTERIOR SPF

EXTERIOR SPF							
PROPERTIES		RANGE	TEST METHODS	UNITS	THICKNESS		
					11.3 - 12.0	18	20
Density		Min	EN 323	Kg/M ³	950	880	850
Internal Bond		Min	EN 319	N/mm ²	1.00	0.80	0.80
Bending Strength (MOR)		Min	EN 310	N/mm ²	45	45	45
Bending Young's Modulus (MOE)		Min	EN 310	N/mm ²	4000	4000	4000
Wood Screw Holding Power	For Thickness 15mm Up	Face	EN 320	N		2000	2000
		Edge				1500	1500
Moisture Content		Min - Max	EN 322	%	5 - 11		
Thickness Swelling (after 24 h. immersion)		Max	EN 317	%	1.5	1.0	0.5
Linear Expansion		Max	ASTMD 1037	%	1		
Tolerance							
Density		Min - Max	EN 323	Kg/M ³	± 20	± 20	± 20
Thickness		Min - Max	EN 324 - 1	mm	± 0.20	± 0.20	± 0.20
After Boil Test (EN 1087-1)							
Internal Bond		Min	EN 319	N	0.20	0.20	0.15
Thickness Swelling After Boiling Test		Max	EN 317	%	30	30	30
Dimensional Movement							
Length / Width		Max	EN 318	mm	1.0	1.0	1.0
Formaldehyde Content							
E0		Max	BS EN ISO 12460	Mg/100g	5		
E1					8		
E2					30		