

PRODUCT DATA SHEET

fastorchSBS[®] FT160CWH

Membrane For Roofing Systems
As To An External Fire Exposure Only - 51P6



Subject to the conditions of Approval as a roof cover when installed as described in RoofNav.

USAGE: Cap APPLICATION: Torch

ASTM-D-6162-00a Grade G

Tested in Accordance with ASTM-D-5147

1 ENERGY STAR[®] (Version 2)

2 CRRC Title 24 If $\epsilon > 0.75$ Reflect = 0.70 min

3 CRRC Title 24 If $\epsilon < 0.75$ Reflect = $0.70 + 0.34 * (0.75 - \epsilon_{initial})$



Miami-Dade County, Florida NOA 03-1126.04 Wood Exp 04-01-09
Miami-Dade County, Florida NOA 03-1126.05 Steel Exp 04-01-09
Miami-Dade County, Florida NOA 06-0612.10 Concrete Exp 07-26-11
Miami-Dade County, Florida NOA 07-1019.09 LWConcrete Exp 01-08-13

Florida State Approved

Dimensions and Mass	Unit	ASTM Minimum			MBTechnology Nominal
		Type 1	Type 2	Type 3	
Reinforcement		Combination: Fiber Glass & Polyester Mats (Asbestos-Free)			
Area	ft ²	111 Actual / 101 Coverage (excluding selvage)			
Roll Weight	lbs	-	-	-	116
Roll Length	feet + inches	-	-	-	33' 4"
Roll Width	inches	-	-	-	39.95
Selvage Width	inches	3	3	3	3.625
Thickness (Over All)	mil	110	130	135	157
Thickness (Selvage)	mil	-	-	-	119
Net Mass	lbs/100ft ²	60	75	85	104.5
Bottom Coating Thickness Heat Welding Applications	mil	N/A	N/A	N/A	26

Physical Properties	Unit	ASTM Minimum			MBTechnology Nominal	
		Type 1	Type 2	Type 3	MD	CD
Tensile Strength	lbs/in	75	80	250	MD	127
Max Load at 73.4°F (23°C):					CD	83
Tensile Strength (After Heat Cond)	lbs/in	75	80	250	MD	TBD
Max Load at 73.4°F (23°C):					CD	TBD
Tensile Strength	lbs/in	75	125	250	MD	TBD
Max Load at 0°F (-18°C):					CD	TBD
Tensile Strength (After Heat Cond)	lbs/in	75	125	250	MD	TBD
Max Load at 0°F (-18°C):					CD	TBD
Elongation at Max Load	%	2	4	3	MD	7
73.4°F (23°C):					CD	5
Elongation at Max Load (After Heat Cond)	%	2	4	3	MD	TBD
73.4°F (23°C):					CD	TBD
Elongation at Max Load	%	1	2	2	MD	TBD
0°F (-18°C):					CD	TBD
Elongation at Max Load (After Heat Cond)	%	1	2	2	MD	TBD
0°F (-18°C):					CD	TBD
Ultimate Elongation	%	26	75	3	MD	30
73.4°F (23°C):					CD	33
Ultimate Elongation (After Heat Cond)	%	9	30	3	MD	TBD
73.4°F (23°C):					CD	TBD
Tear Strength	lbs	65	90	280	MD	162
73.4°F (23°C):					CD	124
Low Temperature Flexibility (As Mfg) :	maximum	-18°C (0°F)	-18°C (0°F)	-18°C (0°F)	MD & CD	-22°C (-7.6°F)
Low Temperature Flexibility (After Heat Cond) :	maximum	-18°C (0°F)	-18°C (0°F)	-18°C (0°F)	MD & CD	TBD
Dimensional Stability:	% (max)	0.5	0.5	0.5	MD & CD	< 0.25
Compound Stability:	°C	107	107	91		107
Granule Embedment:	grams	2 max	2 max	2 max		< 0.75
Reflectance (Initial) C-1549:	≥ 0.65 ¹	≥ 0.70 ²	≥ TBD ³			TBD
Reflectance (3 Year Aged) C-1549 or E1918:	≥ 0.50 ¹	≥ TBD ²	≥ TBD ³			TBD
Thermal Emittance (Initial) C-1371:	Report ¹	≥ 0.75 ²	≤ 0.75 ³			TBD
Thermal Emittance (3 Year Aged) C-1371:	Report ¹	TBD ²	TBD ³			TBD

Ultimate Elongation is reported at point where load has dropped down to 5% of its original max.

MBTECHNOLOGY
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