

PRODUCT DATA SHEET

layflatSBS® LF40

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: Base/Interply APPLICATION: Cold Adhesive/Hot Asphalt/Mechanical

ASTM-D-4601-04 Type 1 and Type 2
Tested in Accordance with ASTM-D-146 & D-228



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			
Reinforcement		Fiber Glass Mat (Asbestos-Free)				
Area	ft ²	213 Actual / 202.4 Coverage (excluding 1st lap line)				
Roll Weight	lbs	-	-			90
Roll Length	feet + inches	-	-			64' 4"
Roll Width	inches	as agreed upon				39.75
Lap Lines (From Each Side)	inches	-	-			2 - 13 - 19
Thickness (Over All)	mil	-	-			56
Net Mass (Average of 5 Rolls)	lbs/100ft ²	13.4	15.5			42.2
Net Mass (Individual Roll)		12.8	14.5			
Bottom Coating Thickness Heat Welding Applications	mil	N/A	N/A			N/A

Physical Properties	Unit	ASTM Minimum			MBTechnology Nominal	
		Type 1	Type 2			
Tensile Strength	lbs/in	22	44			MD 79
Max Load at 73.4°F (23°C):						CD 56
Elongation at Max Load	%	-	-			MD 3
73.4°F (23°C):						CD 3
Ultimate Elongation	%	-	-			MD 4
73.4°F (23°C):						CD 6
Tear Strength	lbs	-	-			MD 86
73.4°F (23°C):						CD 67
Pliability	1.0" Dia	No Cracks	No Cracks			MD Pass
77°F (25°C) / Wet & Dry / 90° Bend:						CD Pass
Low Temperature Flexibility (As Mfg) :	maximum	-	-			MD & CD -20°C (-4.0°F)
Dimensional Stability:	% (max)	-	-			MD & CD < 0.30
Compound Stability:	°C	-	-			105
Loss on Heating (5 hours @ 105°C):	%	-	-			< 0.20
Moisture Content:	% (max)	1.0	1.0			< 1.0
Mass of Desaturated Glass:	lbs/100ft ²	1.4	1.7			1.75 - 1.85
Surfacing & Stabilizer:	% (max)	70	65			31
Asphalt (Mass of Saturant):	lbs/100ft ²	5.6	7.0			23 - 29
Ash (Glass Mat Only):	% (max)	70 - 88	70 - 88			77 - 83
Reflectance (Initial) C-1549:	≥ 0.65 ¹	≥ 0.70 ²	≥ TBD ³			N/A
Reflectance (3 Year Aged) C-1549 or E1918:	≥ 0.50 ¹	≥ TBD ²	≥ TBD ³			N/A
Thermal Emittance (Initial) C-1371:	Report ¹	≥ 0.75 ²	≤ 0.75 ³			N/A
Thermal Emittance (3 Year Aged) C-1371:	Report ¹	TBD ²	TBD ³			N/A

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



MBTECHNOLOGY
 SUPERIOR ROOFING & UNDERLAYMENT SYSTEMS
 188 S. Teilman Avenue • Fresno, California 93706-1334 U.S.A. • Toll Free: 800-621-9281 • Fax: 559-233-4607
www.mbtechnology.com

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