

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

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

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

**MBTECHNOLOGY**  
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IS  
**QUALITY**