



PRODUCT DATA SHEET

PDS-641
Rev 09/09

ALSAN MBSP

Alsan MBSP

Order No. L-MBSP01 (silver, 5 gal.)
L-MBSP02 (silver, 50 gal.)
L-MBSP03 (white, 5 gal.)
L-MBSP04 (white, 50 gal.)



DESCRIPTION & APPLICATION

Alsan MBSP is a flexible, high performance, watertight, puncture and UV resistant ready to use one-component resin used in metal building and single-ply restoration and waterproofing liquid-applied membrane applications.

PRODUCT USES:

Alsan MBSP is utilized numerous applications, including metal roofs (reinforced at seams and fastener heads as necessary; non-reinforced in the field), single ply restoration (reinforced, partially reinforced and non-reinforced), repairs (reinforced as necessary), flashings (reinforced) and single ply seam repair (reinforced and non-reinforced).

COLOR & PACKAGING:

Alsan MBSP is supplied in silver and white colors. Alsan MBSP is supplied in a resealable five gallon can or in 50 gallon drums.

STORAGE:


Shelf life: 12 months in original unopened containers. Always store closed containers in cool, ventilated and dry location away from heat and oxidizing agents. Do not store in direct sunlight or in temperatures below 32°F (0°C) or above 77°F (25°C). Storing the containers above the recommended temperature may reduce the product's shelf life. The resin may polymerize at temperatures above 140°F (60°C). Avoid direct sunlight and heat source when storing products on project site.

HANDLING:

Always use caution when handling the products. Do not smoke. Keep away from open flame, fire or any ignition source. Avoid skin and eye contact with this product. Cured product may be disposed of in standard landfills. Uncured product is considered a hazardous material and must be handled as such, in accordance with local, state and federal regulations. Workers must wear long sleeved shirts, long pants, work boots and use only butyl rubber or nitrile gloves when working with the product. Safety glasses with side shields are required for eye protection. Use of NOISH approved respirator is required if the airborne concentration exceeds recommended limits. For more information, refer to instruction on the label of the can and to relevant Material Safety Data Sheet (MSDS).

MIXING & APPLICATION:

Thoroughly mix the entire drum of resin for 2-3 minutes before each use. After mixing, apply resin to clean and prepared substrate at the required consumption using Soprema rollers, brushes, notched squeegee or spray rig. The liquid should be spread evenly onto the surface. See individual system specifications for specific guidelines regarding application of primer, membrane, topcoat and/or slip-resistant protective surfacing.

	<table border="1"> <thead> <tr> <th></th> <th>Initial</th> <th>Weathered</th> </tr> </thead> <tbody> <tr> <td>Solar Reflectance</td> <td>0.83</td> <td>Pending</td> </tr> <tr> <td>Thermal Emittance</td> <td>0.88</td> <td>Pending</td> </tr> </tbody> </table>		Initial	Weathered	Solar Reflectance	0.83	Pending	Thermal Emittance	0.88	Pending	<table border="1"> <tr> <td>CA Title 24 Compliant Initial/Weathered - CRRCC Rated</td> <td>Reflectivity 0.83 / NA</td> <td>Emmissivity 0.86 / NA</td> </tr> <tr> <td rowspan="2">LEED</td> <td colspan="2">Recycled Content 0%</td> </tr> <tr> <td colspan="2">Production Location: Smithville, OH</td> </tr> </table>	CA Title 24 Compliant Initial/Weathered - CRRCC Rated	Reflectivity 0.83 / NA	Emmissivity 0.86 / NA	LEED	Recycled Content 0%		Production Location: Smithville, OH	
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Rated Product ID Number	0772-0033																		
Licensed Seller ID Number	0772																		
Classification	Field-Applied Coating																		
<p>Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p>			<table border="1"> <thead> <tr> <th colspan="2">Solar Reflective Index(SRI)</th> </tr> <tr> <th>Initial</th> <th>Weathered</th> </tr> </thead> <tbody> <tr> <td>103.7</td> <td>Pending</td> </tr> </tbody> </table>	Solar Reflective Index(SRI)		Initial	Weathered	103.7	Pending										
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TECHNICAL INFORMATION

COVERAGE RATES		
Single ply application (two coats)	1.5 gal/sq	21-23 mils cured thickness
Metal application (two coats)	1.5 gal/sq	21-23 mils cured thickness
Reinforced system (two coats w/fleece embedment)	2.5 gal/sq	50 mils cured thickness

See recommendations for specific applications. Yields will vary depending upon substrate condition.

SET TIMES AT AMBIENT TEMPERATURE OF 68°F	
Pot life:	20 minutes
Rain proof after:	50 minutes
Set time / walked on / next layer:	90 minutes
Fully cured:	2 hours

Pot life is dependent on ambient temperatures and will be reduced at higher temperatures. Minimum set times are approximate and may vary. Actual set times and cure times should be established in the field, based on actual field conditions.

PHYSICAL PROPERTIES			
	ASTM test method	Results/units	
Physical state	-	Viscous liquid	
Color	-	Silver and White	
Viscosity	D 2196-05	3000 ± 500 cP	
Drying time	D 1640-95	1 to 4 hours	
Tear resistance	D 624-00	> 295 lbf/in	
Density at 77°F	D 1475-98	9.81 lb/gal	
Elongation	D 412-98a	>1200%	
Tensile strength	D 412-98a	silver - 397 psi	White - 392 psi
Odor	-	Low aromatic	
Low Temperature Flex	D 903	Pass @ -25°C	
Adhesion to Galvanized Steel	D 903	0.861 pli	
Adhesion to Concrete	D 903	4.627 pli	
Adhesion to EPDM	D 903	2.480 pli	
Adhesion to Plywood	D 903	4.376 pli	
Adhesion to Mod. Bit SBS Smooth	D 903	2.914 pli	
Adhesion to BUR	D 903	1.490 pli	
Low Temperature Flex and Crack Bridging	C 836	Pass	
Resistance to Fungus	G 21	Pass	
100 hrs Xenon Arc Reflectance	G 155 / C 1549	Silver - 54.3%	White - 89.2%
Original Reflectance	G 155 / C 1549	Silver - 49.3%	White - 89.4%
1000 hrs QUV Reflectance	G 155 / C 1549	Silver - 57.4%	White - 89%
VOC Content	EPA 24	Silver - 6.41 lb/gal.	White - 6.35 lb/gal.