



# FLAT ROOF SYSTEM

WSM6 Flat Roof System, is a liquid applied, water-proof roof protection membrane, with an interwoven high tensile fabric throughout. It can be used in virtually all flat roof applications. The roof system acts like a solar reflective, seamless blanket providing superior protection to your structure. The system allows for substrate movement, accommodates sudden temperature fluctuations, and creates a strong U.V protective barrier. WSM6 remains mold, mildew, fungi and algae resistant through-out it's life-time. WSM6 far surpasses the capabilities of all other traditional roofing systems.

## FEATURES

- Extremely versatile with outstanding adhesion
- Reduces maintenance costs
- Solar reflection reduces building utility costs
- WSM6 is Ultra Violet/Sunlight friendly with less than 1% fade annually
- Ultimate protection against leaks, weather intrusion and damage
- WSM6 provides protection against mold, mildew, fungus, and algae
- Remains breathable
- Low VOC's, non-hazardous, water-based, non-flammable, eco-friendly
- Available in 5 gallon pails, 55 gallon drums and 275 gallon totes

## USES

- Flat roof protection
- Low slope roof protection
- Can be applied directly over OSB, asphalt, metal, plywood, foam, concrete, PVC, torch-down and tar

## WSM6 WORLD-WIDE ASTM APPROVALS AND STANDARDS:

- ASTM D2697 – 03: Non-Volatile Matter in Clear or Pigmented Coatings
- ASTM D1644 – 01(2017): Non-Volatile Content of Varnishes
- ASTM D2370 – 16: Tensile Properties of Organic Coatings
- ASTM D2824/M13: Aluminum-Pigmented Asphalt Roof Coatings, Non-Fibred + Fibred
- ASTM D4300 – 01(2013): Ability of Adhesive Films to Resist the Growth of Fungi
- ASTM D1475 – 13: Density of Liquid Coatings, Inks, and Related Products
- ASTM D6083 – 01: Specification for Liquid Applied Acrylic Roof Coatings



Non-Toxic   Non-Flammable   Non-Hazardous



MEMBRANE



INTERIOR/  
EXTERIOR



MATTE FINISH



UV STABLE



ENCAPSULATE



MOLD/MILDEW  
RESISTANT



STRONG BONDING



FAST DRYING



VERSATILE



MONEY SAVING



NO SEAMS



- **Brookfield Viscosity Test**

- (Fabric) ASTM D-5034: Breaking Strength and Elongation of Textile Fabrics
- (Fabric) ASTM D-1117-01: Evaluation of Nonwoven Fabrics
- (Fabric) ASTM D-1117-96: Test method for Thickness of Textile Materials
- (Fabric) ASTM D-3787: Bursting Strength of Textiles

#### **WSM6:A&B Basecoat/Topcoat**

##### **COLOR**

BaseCoat Grey  
Topcoat White

##### **VOC**

Less than 20 G/L

##### **FINISH**

Flat/matte

##### **SOLIDS**

57%

##### **NUMBER OF COATS**

4 with fabric recommended minimum

##### **COVERAGE**

Basecoat 67 feet per gallon  
Topcoat 150 feet per gallon

##### **APPLICATION AIRLESS**

Sprayer 2300-2700 PSI (0.019" – 0.023" tip)  
Brush and roller application

##### **OPERATING TEMP**

Min 5 degrees C/42 degrees F  
Max 35 degrees C/95 degrees F

##### **DRYING POINT**

20 degrees Celsius (68 degrees F) + 50% RH  
12 hours to recoat  
24 hours before final coat  
48 hours full cure

##### **SHELF LIFE**

1 year unopened

##### **APPLIED LIFE**

25 years

##### **CLEAN-UP**

Soap and water

##### **WARRANTY**

15 years

##### **LIMITATIONS**

Maximum operating temp 120 degrees C (250 degrees F)  
Minimum operating temp -50 degrees C (minus 58 degrees F)

##### **FLASH POINT**

N/A

##### **ELONGATION**

>250%

##### **VISCOSITY**

25,000 CPS @ 6RPM

#### **WSM6:C**

##### **TENSILE STRENGTH**

230psi. @ WFT 13mils

##### **INITIAL REFLECTANCE**

>84%

##### **CONSTRUCTION**

Stich Bond

##### **CONTENT**

100% Polyester

##### **FINISHED WEIGHT**

3.41 oz/sq. yard

##### **GAUGE**

18

##### **BALL BURST**

111 lbs

##### **ELONGATION AT BREAK**

Warp 21.3%  
Weft 51.3%

##### **TENSILE STRENGTH**

Warp 74 lbs  
Weft 45 lbs



**ECO-FRIENDLY, GREEN CERTIFIED, LOW VOC**