



WSM 1 ABOVE GROUND

MATERIAL SAFETY DATA SHEET

SECTION 1:

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	WSM1 Above Ground
SYNONYMS	Water-based Coating
MANUFACTURER	Weatherskin Corporation
ADDRESS	Bay B – 1120 44th Avenue S.E., Calgary, Alberta, Canada T2G4W6
PRODUCT USE / CLASS	Elastomeric coating
TELEPHONE	(403) 656-9244
EMAIL	team@weatherskin.com
WEB	www.weatherskin.com

SECTION 2:

COMPOSITION AND INFORMATION ON INGREDIENTS

WSM1 Above Ground

HAZARDOUS INGREDIENTS

Not regulated by WHMIS



SECTION 3:

HAZARDS IDENTIFICATION POTENTIAL HEALTH EFFECTS

EYE CONTACT	May cause irritation
SKIN CONTACT	May cause irritation
INHALATION	May cause irritation of the respiratory tract
INGESTION	May cause adverse health effects
WHMIS Symbols	Not regulated

SECTION 4:

FIRST AID MEASURES

EYE CONTACT	In case of contact, immediately flush eyes with plenty of water for at least 15 Hold eyelids apart to ensure complete flushing. Obtain immediate medical attention.
SKIN CONTACT	Remove contaminated clothing. Flush skin with water, followed by washing with soap and water. If symptoms develop or persist, obtain medical attention. Wash clothing before re-use.
INHALATION	Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention.
INGESTION	If swallowed, do not induce vomiting. Give victim plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.



SECTION 5:

FIRE FIGHTING MEASURES

FLASH POINT	Not flammable
FLASH POINT METHOD	Not applicable
OSHA FLAMMABILITY CLASSIFICATION	Not applicable
EXTINGUISHING MEDIA	Use water spray or fog, foam, and dry chemical or CO2 for surrounding fire.
FIRE FIGHTING PROCEDURES	Wear self-contained breathing apparatus, (MSHA / NIOSH approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat. Cool with water spray.
LOWER EXPLOSIVE LIMIT	Not applicable
UPPER EXPLOSIVE LIMIT	Not applicable
AUTOIGNITION TEMPERATURE	Not applicable

SECTION 6:

ACCIDENTAL RELEASE MEASURES

Contain spill in order to prevent contamination of waterways. Small spills can be covered in absorbent material. Large spills should be pumped away into temporary storage containers for disposal. If water pollution occurs, notify appropriate authorities.



SECTION 7:

HANDLING AND STORAGE

HANDLING

Keep away from heat. Keep containers closed and dry. Mixing with metal salts will cause the product to coagulate. Avoid breathing vapors and/or mist. Avoid contact with eyes, skin, and clothing. Follow all MSDS / Label precautions.

STORAGE

Do not allow product to freeze. Store in cool, dry and well-ventilated area. Keep container closed when not in use.

SECTION 8:

PERSONAL PROTECTION

EXPOSURE LIMITS

VALUE

Not available

LIMIT

Not available

REFERENCE

ENGINEERING CONTROLS

Provide adequate ventilation

RESPIRATORY PROTECTION

Wear approved respirator if exposed to mist

EYE PROTECTION

Use chemical splash goggles. Do not wear contact lenses

SKIN PROTECTION

Use impermeable rubber gloves

OTHER PROTECTIVE EQUIPMENT

Safety showers and eye wash fountain should be readily available



SECTION 11:

TOXICOLOGICAL PROPERTIES

CHEMICAL NAME

ORAL LD 50	Not available
DERMAL LD 50	Not available
INHALATION LC 50	Not available
CARCINOGENIC EFFECTS	100°C (212°F)
MUTAGENIC EFFECTS	0°C
TERATOGENIC EFFECTS	8 - 9
REPRODUCTIVE EFFECTS	1.31-1.44 g/cm ³
VISCOSITY	Not available
VOLATILES	35-45% by weight
EVAPORATION RATE	Not available
SOLUBILITY IN WATER	Miscible

SECTION 10:

STABILITY AND REACTIVITY

STABILITY	Stable under normal conditions
HAZARDOUS POLYMERIZATION	Will not occur
CONDITIONS TO AVOID	Heat, freezing, strong oxidizers
INCOMPATIBILITY WITH OTHER MATERIALS	Material will coagulate when mixed with metal salts



SECTION 11:

TOXICOLOGICAL PROPERTIES

CHEMICAL NAME

ORAL LD 50	Not available
DERMAL LD 50	Not available
INHALATION LC 50	Not available
CARCINOGENIC EFFECTS	Not available
MUTAGENIC EFFECTS	Not available
TERATOGENIC EFFECTS	Not available
REPRODUCTIVE EFFECTS	Not available

SECTION 12:

ECOLOGICAL INFORMATION

CHEMICAL NAME

LD 50	Not available
LC 50	Not available

SECTION 13:

DISPOSAL CONSIDERATIONS

Spilled, waste product, contaminated soil, and empty containers must be disposed in accordance with federal, state, provincial, and local regulations.



SECTION 14:

TRANSPORTATION INFORMATION

TECHNICAL SHIPPING NAME	Acrylate Polymer, Dispersion
HAZARD CLASS OR DIVISION	
TDG	Not regulated
CLASSIFICATION	Not regulated

SECTION 15:

REGULATORY INFORMATION

CANADIAN WHMIS CLASSIFICATION	Not Regulated
OSHA	This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard. Hazardous material by definition of Hazardous Communication Standard : 29 CFR 1910.1200

CLEAN AIR ACT SECTION 112

The product contains the following components listed as

Hazardous Air Pollutants: Not available

The product contains the following components listed as

Extremely Hazardous Air Pollutants: Not available

SARA SECTION 302

The product contains the following components listed as

Extremely Hazardous Substances: Not available



SARA SECTION 311 / 312

Hazard Classification

Immediate	No
Delayed	No
Fire	No
Pressure	No
Reactivity	No

SARA SECTION 313

The product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Authorization Act of 1986 and 40 CFR Part 372:	None
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TSCA

The product or its components are listed in or exempt from the TSCA inventory requirements. The product contains the following non-proprietary substances subject to export notification under Section 12(b) of TSCA:	All products contained are in the TSCA inventory
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SECTION 16:

OTHER INFORMATION

PREPARED BY	Weatherskin Corporation
TELEPHONE NUMBER	(403) 656-9244



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DATA SHEET

WSM1 ABOVE GROUND MEMBRANE

Water-based Acrylic WS M1 Elastomeric Waterproofing Membrane is a multi-use, extremely durable acrylic coating. At an ideal wet film thickness of 10-14 mils per coat (8-10 mils dry film finish per coat), WS M1 is a perfect fix for sealing any minor cracks and imperfections. With exceptional aging properties, future ruptures, cracks and de-laminating are prevented, and provides long-lasting protection to the substrate surface. Its unique properties allow for substrate movement and accommodation to sudden temperature fluctuation. WS M1 is to be used in tandem with the instructions outlined in the following Product Information Sheets. WS M1 creates a strong, solar reflective and UV resistant coating able to withstand and encapsulate mold, fungi and mildew growth.

WS M1 Elastomeric Waterproofing Membrane is an easy-to-use, liquid-applied, waterproof smart material formulated to cure into a seamless, heavy-duty, elastomeric coat to seal cracks and bridge small gaps. For larger imperfections, use Reinforcing Fabric as stated in the instructions.

USES

WS M1 becomes an integral component to the construction of any structure as it bonds to a substrate. Ideal for commercial and industrial use, WS M1 Elastomeric Waterproofing Membrane seals and waterproofs:

- Grain Bins
- Agricultural structures
- Leaking metal roofs and metal walls
- Stucco and block walls
- Building materials (Includes stucco, bricks, concrete, wood, plywood, OSB, vinyl, galvanized steel, exterior siding, fibre cement siding, asphalt coatings, shingles, ICF and polyurethane foam)

FEATURES

- **Single product capable for waterproofing a variety of different materials providing a more economical alternative to current procedures/products**
- **Flexible at low temperatures**
- **Exceptional elongation properties**
- **Bridges gaps up to 1/16"**
- **High solids content**
- **Low VOC**
- **Non-toxic and environmentally friendly**
- **Highly alkaline resistant**
- **Does not sustain microbial and algae growth**
- **UV, acid rain and mildew resistant**
- **Protects structure from chemical damage caused by salts and acid rain**



GENERAL DATA

Type	Acrylic Elastomeric
VOC	Less than 23 g/L
Volume Solids	55-65% (varies by color)
Tint Bases	May be tinted
Standard Color	Black/ Medium Base/ Ultra Deep/ Deep/ Pure White
Coverage	200 approx. ft./gallon
Film Thickness (wet)	8-10 mils per gallon
Film Thickness (dry)	5-7 mils per gallon
Drying time at 20°C (68°F)	Recoat after 2 hours
Dries by	Full cure @ 24 hours
Viscosity	20,000 CPS @ 6RPM
Flash Point	N/A
Sheen	Matte
Surface Temperature at Application	Min. 5°C/42°F Max. 35°C/95°F
Thin With	Up to 5% with clean water (for priming, when required)
Storage Temperature	Min. 5°C/41°F Max. 32°C/90°F

Surface Preparation

Prior to the application of WS M1, ensure that the surface is clean, dry, free of any dust, dirt, peeling paint, loose masonry and rust, release agents, efflorescence, mildew and stains to increase the quality of adhesion. Dull any glossy areas and power wash or scrub areas that are not weathered using a strong detergent and remove surface salts. For mildew removal, scrub using a wash designed for mildew removal according to the manufacturer instructions.

Cracks and Expansion Joints

Use Reinforcing Fabric to seal larger cracks and expansion joints prior to the application of WS M1. Reinforcing Fabric should be cut to overlap the sides of the crack and expansion joints by 3" (7.5 cm). Apply the first coat of WS M1. Place fabric on the center of the substrate surface, then press the fabric into the wet coating. Allow the coat to dry for a minimum of 2 hours before building up coats. Repair large cracks or holes on masonry surfaces before product application.

Concrete Application

Cure concrete for a minimum of 14 days. Using WS M1 may diluted with 5% water, prime concrete surface and let dry for a minimum of 2 hours before applying the next coat. Remove all dirt using a wire brush by scrubbing then power wash.



Asphalt Application

Ideal application using WS M5 Lite Elasto Roof membrane.

Metal Application

Using a detergent, power wash the metal surface and rinse thoroughly. Allow to dry before coating. May clean up by sanding and scuffing, if required depending on surface conditions. Rinse thoroughly then apply.

Wood Preparation

Remove any dirt, loose paint and dust from wooden surface by scrubbing or power wash. Use a detergent if necessary. Sand wood using a rough grid sand paper for a smoother surface. Rinse with water and let dry. Treat cracks and expansion joints as stated above.

Application Process

WS M1 is ready to use straight from the container, eliminating the need for other paints or solvents. Thoroughly stir before application while using care to prevent excessive entrapment of air. WS M1 may be applied using an airless sprayer, roller or brush. It may be applied to complete a dry film thickness of 30 mils. Do not apply to surfaces with excessive moisture content, such as during damp or rainy weather. Do not apply in temperatures below 5°C (42°F).

Application by Roller

Keep roller saturated with material and apply product in two crosshatch coats at right angles. Allow the first coat to dry for a minimum of 3 hours or until surface dries, prior to a second application. Finish in a downward motion.

Airless Sprayer

Generously apply in a crosshatch pattern to prevent a pinhole surface. Surface texture and profile will cause variations in the coverage of the product. Use equipment that is able to maintain a 2,500 to 2,700 psi at the tip.

- **Orifice size: 0.019" (0.48 mm) to 0.023" (0.58 mm)**

Drying time WFT @ 50% R.H.

GENERAL DATA

SUBSTRATE TEMP.	RECOAT AFTER	FULL CARE
5°C/41°F	8 hours	4 days
10°C/50°F	4 hours	2 days
10°C/50°F	2 hours	1 day



Thinning/Cleanup

Wash all equipment in a warm detergent solution then rinse with water. Spray equipments should be given a final rinse using mineral spirits to prevent rusting. Do not use thinners on finishing coats as it will reduce thinning ability of the product. Do not add other paints or solvent with this product. Use completely and dispose properly. Local disposal requirements vary; refer to your local environmental agencies for more information on disposal options. Recycle any empty containers.

Environmental and Safety Information

Avoid contact with eyes, prolonged or repeated contact with skin, and inhaling vapours, spray mist or sanding dust. Use product with adequate ventilation. Wear eye protection and gloves during application or sanding. When sanding or spraying, a dust/ particulate respirator approved by NIOSH must be worn. Close container between uses.

First Aid

Periodically move to fresh air to minimize any effects by inhalation of vapours and spray mist. In case of eye contact, rinse immediately with water for 15 minutes and consult a physician. For skin contact, wash thoroughly with soap and water. In case of ingestion, seek medical aid immediately—refrain from physically expelling product by vomiting.

Spills

Absorb any spilled products using an inert material. Follow the instructions specified in Thinning/Cleanup.

Shelf Life

Unopened, WS M1 has a shelf life of 12 months.

Limitations

- **Do not use for applications below grade**
- **Do not use for immersion service**
- **Do not apply if precipitation or freezing temperatures are expected before a full cure may be achieved**
- **Do not store at 5°C (42°F) or above 32°C (90°F)**

Maintenance

WS M1 requires no maintenance. If coating should be damaged, repair by re-applying another coat over any affected areas after proper surface preparation procedures are applied.

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Packaging

WS M1	36 x 5 USG pails on a pallet
	5 USG pails
	55 USG drum
Reinforcing Fabric	12 rolls/case

Warranty Disclaimer

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