SPEC SHEET

GENERAL DATA

BRAND PRODUCT	WEATHERSKIN WSM2: WATERPROOFING
PRODUCT WARRANTY	25 YEAR AVAILABLE
TYPE	ACRYLIC POLYMER
COLOR	BLACK, GREY, WHITE
SHEEN	MATTE
SOLIDS	55-65%
ODOR	NONE
APPLICATION	AIRLESS SPRAYER/ROLLER
SPRAYER TYPE	2600 PSI MINIMUM (0.019" - 0.023" TIP)
WATERPROOFING THICKNESS	40 MILS WFT 25 MILS DFT
VAPOR BARRIER THICKNESS	10-20 MILS WFT 6-13 MILS DFT
STORAGE TEMP	40F / 5C TO 95F / 35C
TACK FREE	10 MINUTES @ 59F / 15C
RECOAT	2 HOURS @ 59F / 15C
CURE TIME	24 HOURS @ 59F / 15C
MINIMUM APPLICATION TEMP	34F / 1C
MINIMUM OPERATING TEMP	-8F / -50C
MAXIMUM OPERATING TEMP	250F / 120C
MAXIMUM VOC CONTENT	WHITE, 0 G/L - BLACK 23 G/L
APPROX: COVERAGE @ 10 MILS	150 SQ.FT / GALLON
APPROX: COVERAGE @ 20 MILS	75 SQ.FT / GALLON
APPROX: COVERAGE @ 40 MILS	38 SQ.FT / GALLON
ADHESION TO COMMON MATERIALS	AGGRESIVELY ADHERES TO ALL MATERIALS TESTED
CRACK BRIDGING	1/8TH INCH @ 40 MILS WFT
ELONGATION	310%
TENSILE STRENGTH	395 PSI @ 12 MILS WFT
CONCRETE ADHESION	PASSED - COHESIVE BONDING ACHIEVED
ANTIFUNGAL / BACTERIA RESISTANCE	NO GROWTH DETECTED
FLAME SPREAD	10 WITH FR ADDITIVE
SMOKE DEVELOPMENT	5 WITH FR ADDITIVE
RADIANT HEAT RATING	RADIAL PANEL INDEX RATING: 10
VAPOR PERMEABILITY	0.05 PERMS @ 40 MIL WFT 9.2 PERMS @ 10 MIL WFT
WATER ABSORBTION	NO BLISTERING, NO SOFTENING, NO BLEED
SOIL DEGRADATION	100+ YEARS LIFE EXPECTANCY
COMPOST DEGRADATION	PASSED
UV TOLERANCE	INDEFINITE (LESS THAN 1% ANNUAL FADE)
VISCOSITY	20,000 PS @ 6RPM
SPECIFIC GRAVITY	1.35 - 1.45 G/CM3
PH	8-9
THIN WITH	UP TO 5% WATER
CLEANUP	SOAP & WATER
SHELF LIFE	12 MONTHS
ICF COMPATIBLE	YES
FLAMMABILITY	NON FLAMMABLE
WATER / CONTAMINANT RATING	NON-HAZARDOUS

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Email: team@weatherskin.com

DATA SHEET

WSM2 WATERPROOFING MEMBRANE

WSM2: Waterproofing membrane is a cold-applied, sun-safe, aqueous borne coating with elastomeric properties. It is formulated to be extremely strong and impact resistant. The coating is designed for long-lasting performance and protection at an extremely wide range of temperatures. When applied at a wet film thickness of 40 mils, WSM2 is designed for long-lasting impermeable waterproofing (0.05 perms) When applied at a wet film thickness of 10-20 mils, WSM2 acts as a semi-impermeable vapor/air barrier. (9.2 perms @ 10 mils WFT, 0.7 perms @ 20 mils WFT). The product is easy to use and simple to clean, with almost zero splash-back or waste produced. Installers can spray the product using an airless sprayer, brush, or roller. The product is ideal for bridging gaps of 1/16" @ 20 WFT, and up to 1/8". For larger imperfections, use Reinforcing Fabric as stated in the application instructions. WSM2 is formulated to withstand UV, acid rain, salts, high toxicity soil, mold, fungi, and bacterial growth. The product has extremely low VOC content, is non-hazardous and is considered Eco-friendly.

Fire Resistant (FR) additive available upon request
Quick Cure (QC) additive available upon request

USES

- **Concrete foundations, footings and slabs**
- **Brick and mortar foundations, footings and slabs**
- **OSB and plywood structures and foundations**
- **ICF, EIFS and polystyrene foam substrates**
- **Garden and flower-box lining**
- **Screw piles, footings, retainer walls and posts**
- **Buried Tanks and vessels**
- **Above grade exterior vapor/air barrier**
- **Elevator shafts and underground tunnels**
- **Stationary farm and outbuilding components**












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WEATHERSKIN COATINGS

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PH	8-9
THIN WITH	UP TO 5% WATER
CLEANUP	SOAP & WATER
SHELF LIFE	12 MONTHS
ICF COMPATIBLE	YES
FLAMMABILITY	NON FLAMMABLE
WATER / CONTAMINANT RATING	NON-HAZARDOUS

Surface Preparation

Prior to the application of WSM2, ensure that the surface is clean, dry, stable and free of any dust, dirt, peeling paint, loose masonry, rust, release agents, efflorescence, mildew and stains to increase the quality of adhesion. Dull any glossy areas and scrub areas that are not weathered using a strong detergent to remove surface salts. For mildew removal, scrub using a wash designed for mildew removal according to the manufacturer's instructions.

Cracks and Expansion Joints

Use appropriate polyurethane caulking or mastic to seal larger cracks and expansion joints. 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 WSM2. Place fabric on the center of the crack then press the fabric into the wet coating. Allow the coat to dry for a minimum of 2 hours before additional coats. Repair large cracks or holes on masonry surfaces before product application.

Application Process

WSM2 is ready to use straight from the container. Thoroughly stir before application while using care to prevent excessive entrapment of air. WSM2 may be applied using an airless sprayer, roller or brush. It may be applied up to a wet film thickness of 40 mils in a single coat, although it is recommended to apply the product in 2 20 mil coats to increase the rate of cure time. Do not apply to surfaces with excessive moisture content, such as during damp or rainy weather. Do not apply in temperatures below 1°C (41°F). A protection board or insulation may be applied to WSM2 after a full cure (24 hours). Backfill can be done immediately after the installation of the protection board or insulation. For best adhesion results on concrete and other porous surfaces, WSM2 should be diluted with 5% water, and first applied as a thin primer coat.

Application by Roller

Keep roller saturated with material and apply product in two crosshatch coats at right angles. Allow the first coat to dry prior to a second application.Corporation does not assume any legal responsibility for use of reliance on same. Customers are encouraged to conduct their own tests.

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Product Use (EIFS & WATERPROOFING SYSTEMS)

EIFS System: Coat substrate with up to 20 wet mils of WSM2: Waterproofing before applying adhesive layer for foam insulation board, using Weatherskin reinforcing fabric integrated over all present substrate board seams and voids. After foam is properly installed, apply a 20 mil WFT layer of WSM2: Waterproofing with Weatherskin reinforcing fabric immersed throughout creating a highly durable adhesion coat for subsequent application layers.

Waterproofing System: Coat substrate with up to 40 wet mils of WSM2: Waterproofing before applying adhesive layer for foam insulation board. Depending on the project, another layer of WSM2: Waterproofing may be requested to be applied in order to protect the foam insulation board from damages. If requested, apply this layer a minimum of 16 mil, wet film thickness. For the Weatherskin:Waterproofing System, and Weatherskin:EIFS (Exterior Insulation Finishing System) a variety of Dupont (DOW Chemicals) extruded polystyrene insulation board products are recommended and warranted by Weatherskin when used in accordance with the full systems. Contact Weatherskin for assistance in determining a proper Dupont insulation board for your project. For the Weatherskin: Waterproofing System a variety of DELTA rain-screen and drainage matts are recommended and warranted by Weatherskin, when used in accordance with the full Weatherskin: Waterproofing System. Contact Weatherskin for assistance in determining a proper DELTA rain-screen or drainage matt product for your project.

Insulating Foam Installation: Apply Weatherskin: Concrete Modifier with a saw toothed trowel to the vertical or horizontal surface behind your rigid foam board, leaving both vertical ridges and voids, allowing any water that penetrates behind the panel a cavity to escape. See Weatherskin: Concrete Modifier Technical Data Sheet for details.

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 minimum of 2600 PSI at the tip.

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

Thinning/Cleanup

Wash all equipment in a warm detergent solution then rinse with water. Spray equipment should be given a final rinse using mineral spirits to prevent rusting. Do not use thinners or solvents in the material. Thin only with water. Disposal requirements vary; refer to your local environmental agencies for more information on disposal options. Recycle any empty containers.

Spills

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

Limitations

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

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Limitations

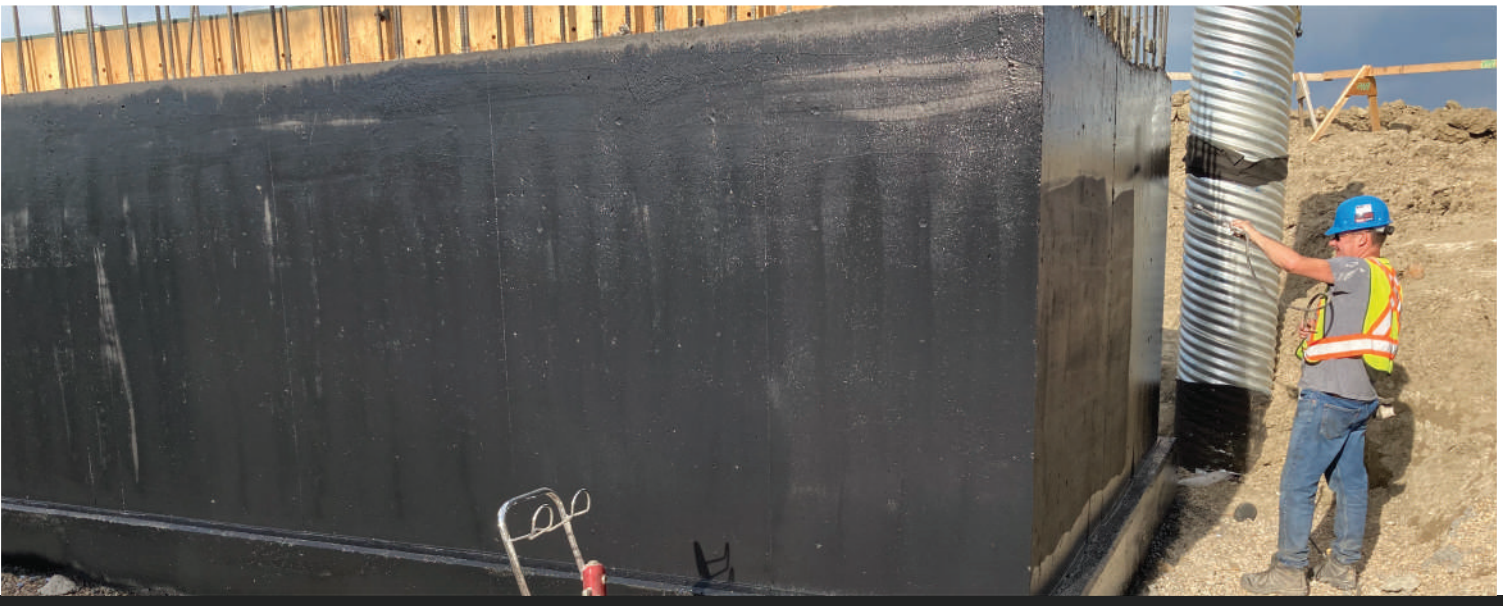
- **Do not use for immersion purposes.**
- **Not recommended to apply if high humidity (excess of 70%) or moisture is expected.**
- **Not recommended to apply if lasting freezing temperatures are expected before a full cure may be achieved.**
- **Do not store below 5°C (41°F) or above 32°C (90°F).**

Maintenance

WSM2 requires no maintenance. If coating should be damaged, repair by reapplying another coat over any affected areas after proper surface preparation procedures are followed.

Packaging

1-USG can, 5-gallon pail, 55-gallon drum, 275-gallon tote.



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WSM2 BELOW GROUND

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

1.1 Product identifier

Trade name	**WSM2 BELOW GROUND**
Chemical name	**Water-based elastomeric coating**

1.2 Recommended use of the product and restrictions on use

Recommended use	Industrial Use
Non- recommended use(s)	None known

1.3 Details of the supplier on the safety data sheet

Company	Weatherskin Corporation. Bay B 1120 44th Avenue SE Calgary, Alberta. Canada T2G 4W6
Telephone	403 656 9244
Toll Free	1 877 693 9224
Website	www.weatherskin.com

1.4 Emergency telephone number

Emergency In case of emergency call CANUTEC	613-996-6666

2. HAZARD IDENTIFICATION

2.1 Classification of the mixture

Very thick opaque liquid, paint odor.

2.1.1 Health Hazards	Skin Corrosion / irritation Category 3. • Causes Mild Skin Irritation Serious Eye Damage / Eye Irritation Category 2B. • Causes Eye Irritation
2.1.2 Environmental Hazards	Harmful to aquatic life
2.1.3 Other Hazards Caution	Spillages may be slippery
2.1.4 Hazards summary Irritating to eyes and skin	May cause irritation to the respiratory system. Harmful to aquatic life

2.2 Label Elements

Signal word	Warning
Hazard statement	H316: Causes mild skin irritation H320: Causes eye irritation H402: Harmful to aquatic life
Precautionary Statements	Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN (or hair)	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

--

3.2 Mixtures

WSM2 BELOW GROUND

HAZARDOUS INGREDIENTS C.A.S.# WEIGHT %

Titanium Dioxide 13463-67-7 5 - 10

C.I. Pigment Black 7 1333-86-4 5 - 10

4 FIRST AID MEASURES

4.1 Description of first aid measures

EYE CONTACT	Rinse cautiously with eyewash solution or clean water, holding the eyelids apart for several minutes. Remove contact lenses if present and easy to do. If eye irritation persists: Get medical attention. Continue rinsing eyes during transport to hospital
SKIN CONTACT	If on skin or hair, take off immediately all contaminated clothing and shoes. Rinse skin, washing thoroughly with water. Get medical attention if irritation persists.
INHALATION	Remove patient from exposure, keep warm and at rest. Get medical attention
INGESTION	Clean mouth with water and drink afterwards a glass of water. Keep respiratory tract clear. Do not induce vomiting. Immediately call a POISON CENTER / Doctor

4.2 Indication of any immediate medical attention or special treatment needed

Note to Physicians Treat Symptomatically

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam. Compatible with all standard fire fighting techniques.
Unsuitable extinguishing media	None known

5.2 Hazards

Not applicable. Aqueous solution. Non-combustible

5.3 Fire-fighting instructions

None.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures.

Use personal protective equipment. Wear chemical safety glasses, rubber boots and heavy rubber gloves. Prevent further leakage or spillage if safe to do so.

6.2 Environmental precautions

Do not allow to enter drains, waterways, sewers, basements or confined areas.
Do not discharge into the subsoil / soil. Absorb spills with inert material and place in a chemical waste container. If the product contaminates rivers and lakes or drains inform the respective authorities.

6.3 Methods and materials for containment and cleaning up

Provide adequate ventilation. Caution: Spillages may be slippery. Ventilate the area. Soak up with inert absorbent material (e.g. sand, silica gel, universal binder, sawdust) Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Use only in well ventilated area. Avoid breathing vapor or mist. Avoid all personal contact. Use personal protective equipment. Avoid generation of mist. Emergency shower and eye wash facilities should be readily available. Do not eat, drink or smoke at the work place.

7.2 Hygiene considerations.

Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Wash contaminated clothes before reuse. Do not eat, drink or smoke when handling this product. Remove contaminated clothing and protective equipment before entering eating areas.

7.3 Safe storage procedures

Keep at a temperature not exceeding 50 °C. Do not allow material to freeze. Keep container tightly closed. Store in cool/well ventilated place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 EXPOSURE LIMITS

Hazardous Components (Chemical Name) Occupational Exposure Limits
Titanium Dioxide 15 mg/m3. TWA (dust total)*
C.I. Pigment Black 7 3.5 mg/m3. ACGIH TLV TWA.
* Both pigments are dispersed in a liquid phase. They are not present in solid state as dust or loose particles.

8.2 EXPOSURE CONTROLS

ENGINEERING CONTROLS

Use local exhaust ventilation to maintain airborne concentrations at safe levels. Ensure adequate ventilation, especially in confined areas. Suitable respiratory equipment should be used in cases of insufficient ventilation or where demand it.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Equipment : Respiratory protection not normally required. If exposure cannot be controlled below applicable limits, use the the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust /mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow the manufacturer's instructions.

Eye Protection	Use tightly fitting chemical splash goggles. Wear face shield if splashing hazard exists. Contact lenses should not be worn when working with chemicals because they contribute to the severity of an eye injury in case of exposure.
Hand Protection	Use impermeable gloves. Neoprene or butyl-rubber gloves
Body Protection	Use impervious clothing and chemical resistant boots. Consider using resistant coveralls and aprons, if extensive exposure is possible.
Other Protective Equipment	Ensure that eyewash stations and safety showers are close to the workstation location.
General Hygiene Consideration	Do not breathe mist or vapor. Avoid all contact. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not take contaminated clothes home.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State	Thick Liquid.
Color	Black, white, green, blue etc.
Odor	Slight Solvent odor.

Properties

Boiling Point	Not available
Freezing Point	Not available
Flash Point	Not available
PH	8 - 9
Specific Gravity	1.35 – 1.45 g/ cm^3
Viscosity	20.000 CPR
VOC content	Less than 30 g/L
Evaporation rate	Not applicable
Solubility in water	Soluble
Vapour pressure	Not applicable
Vapour density	No data
Auto ignition Point	Not applicable
Decomposition Temperature	Not applicable
Explosive properties	Not applicable
Oxidising Properties	No data

10 STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical Stability	Stable under normal conditions
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Excessive heat, freezing.
Incompatible Materials	None known.
Hazardous decomposition products	None known.

11 TOXICOLOGICAL INFORMATION

Ingestion	Aspiration hazard. Do not ingest
Inhalation	May cause irritation of nose, throat or respiratory tract. Avoid inhalation.
Skin Contact	May cause skin irritation. Avoid skin contact.
Eye Contact	Material will cause irritation. Avoid eye contact
Skin corrosion/irritation	Irritating to skin
Serious eye damage/irritation	Irritating to eyes.
Sensitization	Not sensitizing
Carcinogens	Possible cancer hazard. Contains materials which may cause cancer based on animal data. Contains TiO2 which is listed by IARC as a possible carcinogen (Group 2B) based on animal data. Neither long Term animal studies, nor human epidemiology studies of workers exposed to TiO2 provide an adequate basis to Conclude TiO2 is carcinogenic. TiO2 is not classified as a carcinogen by NTP, U.S. OSHA or the U.S. EPA IARC has also classified Carbon Black as a possibly carcinogenic to humans (Group 2B). ACGIH-A4 Not classifiable as a Human Carcinogen.

Teratogenicity	No evidence of teratogen effects.
Reproductive toxicity	No evidence of reproductive effects.
Aspiration Hazard	No aspiration hazard expected.

12 ECOLOGICAL INFORMATION

12.1 Toxicity :Harmful to aquatic life. Carbon Black

96 hr LC50 freshwater fish> 1000 mg/L; 24 hr EC freshwater invertebrates> 5600 mg/L

12.2 Persistence and Degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in Soil

No information available.

13 DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose of this material and its container to hazardous or special waste collection point. Do not discharge substance/product into sewage system. Do not contaminate pond, waterways or ditches with chemical or used container. The product should not be allowed to enter drains, water courses or the soil.

14 TRANSPORTATION INFORMATION

14.1 Identification, UN number

Water based Paint. Not Regulated

14.2 Shipping Name

14.3 Packing Group

15 OTHER INFORMATION

Waste Disposal Method

Preparation Date	April 19, 2018
SDS prepared by	Weatherskin Corp. 403 656 9244

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