

SUPERSEAL RESIDENTIAL WATERPROOFING

Cold, fluid applied waterproofing – Section 07 14 16

Product Specification Sheet

SUPERSEAL waterproofing is a water based complex polymer modified asphalt emulsion for below-grade foundation waterproofing. It is applied with a dual component instant-set spray system, a single component sprayer or roller.

USES & FEATURES

SUPERSEAL Waterproofing is approved for use on concrete and concrete block foundation walls. It can also be used on shotcrete, blindside applications, ICF's, and wood foundations.

- SUPERSEAL Waterproofing is tested to exceed waterproofing codes for 40mils (1mm). Canada USA, CCMC 13452-R, ICC-ES 3106, CCRR-0405.
- SUPERSEAL is used in a dual component spray system, the accelerant provides instant set properties allowing for desired film thickness in one application creating a faster curing times with no risk from rain damage. Cold weather instant-set accelerant lowers the freezing point.
- When installing from a 5g or 1g pail, SuperPro Spray Gun or a roller can be used.
- SUPERSEAL provides a permanent waterproof barrier.
- SUPERSEAL bridges cracks and has exceptional elongation properties.
- SUPERSEAL is environmentally safe and VOC Compliant.
- SUPERSEAL Trowel and brush grade mastics are available for patching and sealing surface imperfections, tie holes, and honeycombing.



CONDITIONS OF USE

- Apply to clean and debris free surfaces.
- All tie holes, voids, and imperfections must be properly patched with non-shrink grout or mastic prior to installation.
- Apply a dimpled drainage membrane when required.
- Requires the use of good building practices for drainage.
- Do not backfill with sharp or angular stone.
- Do not install during freezing temperatures or when these conditions are imminent during application.
- Cover SUPERSEAL from exposure after 30 days.
- The dual component instant-set spray system is required when using a 330g tote, 275g tote, or 55g drum.
- Follow the SUPERSEAL installation instructions at superseal.ca

WARRANTY

The warranty for SUPERSEAL Residential Waterproofing is 5 years for product only. Warranties up to 40 years are subject to the combined materials per installation. For detailed warranty terms and limitations go to superseal.ca

AVAILABILITY & PACKAGING

SUPERSEAL Waterproofing is available directly from SuperSeal Construction Products Ltd. or through authorized dealers.

PART #	PRODUCT	PART #	PRODUCT
FW03300	330 Gallon Tote Waterproofing	FWP05G	5 Gallon Pail Waterproofing 5 (18.9L)
FW02750	275 Gallon Tote Waterproofing	ACC100	Instant Set Accelerant
FW00055	55 Gallon Drum Waterproofing		



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Division 07 Thermal & Moisture Protection 07 14 16 cold applied

PROPERTIES & TESTING	TECHNICAL DETAILS
PHYSICAL PROPERTY	
Type	Polymer-Enhanced high grade asphalt emulsion complex formula
Color	Brown curing to Black
Solids	60%
Density	8.2 lb/ US gal 3.72kg/ US gal
Thickness	40 mils / 1mm dry
Curing Time	8 to 24hr at 70 °F (20 °C), 50% relative humidity. Catalyzed 1-8hr
Application	Sprayer/Roller/Trowel, above freezing and rising.
Storage Temperature	45 to 110 °F (7 to 45 °C)
Shelf-Life Stability	24 Months, above 45 °F (7 °C)

TEST CRITERIA	TESTED TO	RESULTS
Resistance to Water	ASTM C836; ASTM D2939-03	Pass
Water Vapor Permeance	ASTM E96 Dry Cup/E96M-05 (<i>desiccant method</i>) ASTM C836	0.08 US Perms 0.96 US Perms (ng/Pa s m ² = 55.1)
Resistance to Decay <ul style="list-style-type: none"> Weight loss % Water vapour permeance 	ASTM E96/E96M ASTM E154/E154M-08 2019. After exposure to organisms in soil	-4.9 .01
Remain in Place During Application	ASTM C836-06	Pass
Hydrostatic Pressure Over Cracks	ASTM C1306-00	18 psi
Low Temperature Crack Bridging	ASTM C836-06; ASTM C1305/C1305M-16	Pass
Low-Temp Flexibility	ASTM C836	No cracking
Extensibility after chemical and U.V. heat aging	ASTM C836-06; ASTM C1522-05 / 2013	Pass - No cracking at 0.25" / 6.35mm
Elastic recovery after heat aging	ASTM C836-06	73%
Elongation	ASTM D412	850%
Hardness 80	ASTM C836; ASTM D2240	Pass
VOC's	Not regulated - water based	51 g/L
Adhesion to Geo-Textile Fabric	ASTM C836	28 lb/inch {38 N/M}

STANDARD ASTM REGULATION - 1 LB PER SQ" @ 28 DAYS.

Peel Adhesion Green Concrete, (N/m) [lb/in] ASTM C836/C836-06	4 days – 1.476 [7.43] 7 days – 2.415 [13.79] 28 days – 2.569 [14.1]
Peel Adhesion after Water Immersion	ASTM C836-06 1.448 (N/m) 106%
Peel Adhesion Dry; Concrete, Aluminum & Wood	ASTM C836-06 1.448 (N/m) 106%

Please go to www.superseal.ca for the current Product Data Sheets.

