



SHIELD WALL 39 JET SET

NSF 61 Certified

DESCRIPTION

Shield Wall 39 is a water-based elastomer modified liquid rubber two-component system which self-adheres to most exterior acceptable substrates.

BASIC USES

When cured this spray-on, seamless, flexible rubber waterproof coating functions as a high quality protective membrane. Specified for use below-grade, **Shield Wall 39** provides excellent protection from water penetration, salt and/or other chemical attacks on all concrete exterior surfaces.

MAJOR ADVANTAGES OF SHIELD WALL 39

Shield Wall 39 is an environmentally safe alternative to conventional hot applied bitumen or solvent based protective coats and is easier to use than plastic sheeting.

Shield Wall 39 provides excellent waterproofing and chemical resistance characteristics generating a highly flexible seamless membrane that resists cracking and aging.

TECHNICAL AND PRODUCT DATA

NO VOC'S - NON TOXIC - LOW ODOR & WATERBASED	
PHYSICAL PROPERTIES (Liquid)	
PROPERTY	TYPICAL RESULTS
Colour	Brown to Black
Specific gravity (Liquid) kg/L	Approx. 1.0
Odour	None
VOC	Contains no solvent
% solid (Wt.)	62-65%
Viscosity, SSF @ 25°C (77°F)	15-20
pH	10-12



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CURED MEMBRANE

PROPERTY	TYPICAL RESULTS
PERFORMANCE DATA (Cured membrane)	
Colour	Brown to Black
Specific gravity. kg/L	Approximately 1.0
Chemical resistance	Resists to most inorganic solution. Not recommended for petroleum products. See chemical chart for further data
Biological resistance ASTM E 154, AATM D 412	Passed (>90% original value)
Impact resistance CSB 37-GP-56 @ 23°C, in lbs Water tightness after impact	Passed (168) Passed (no leakage)
Tensile strength ASTM D 412, psi	90
Elongation	850
Adhesion to Concrete resistance, ASTM C 907 (amended to tensile adhesion) , psi	111
Puncture resistance CGSB 37-GP-56, 24 HRS @ 29 N, -5°C	Passed (No perforation)
Accelerated resistance, ASTM G 155 D 412 Tensile strength	Passed (No deterioration of film) Passed (>90% original Value)
Hardness, Durometer Type 00	85-87
Underwriters Laboratories	Class A Fire Rating (Call for more details)



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TECHNICAL AND PRODUCT DATA

- Solvent: None. Water based
- Number of Components: 2
- Hazardous Vapors: None
- Packaging: 275 US gal totes, 55 US gal drums, 5 US gal pails

APPLICATION INSTRUCTIONS

Shield Wall 39 is applied as a dual component system using a specially designed spray system. Both components of the system are water based and environmentally friendly. Applied at ambient temperature (above 15°C / 59°F)

Shield Wall 39 sets almost instantly, 3 minutes, forming a seamless flexible membrane. Backfilling can commence in 24-48 hours.

For best results **Shield Wall 39** should be applied to a dry surface which is free of dirt, debris, oil, and or any bond breaker. The product sets up rapidly, 3 minutes, and can be backfilled after 24-48 hours.

Shield Wall 39 is applied between 0.7 m/L (30 ft/US gal) to produce a 40-mil (1 mm) protective membrane to 0.175 m/L (7.5 ft/US gal) to produce a 160 mil (4 mm) membrane.

Shield Wall 39 dries to the touch in three (3) minutes @20°C / 68°F and is completely cured in 48 hours. This curing time may vary depending on temperature and relative humidity.

Typically, an applicator crew can spray 6,000 ft² (560 m²) per day. Protection board of insulation may be applied to the membrane surface after initial set time of 20 minutes.

Shield Wall 39 is non-tacky in one minute and cures within 48 hrs. A trained crew can apply 6000-7000 ft² (560-650 m²) per day. Protection Board or insulation may be applied to the membrane surface after an initial set time of 20 minutes.

COVERAGE				
CURED MEMBRANE			COVERAGE	
mils	mm	Ft ² /gal	ft ² /L	m ² /L
40	1.0	26	6.87	0.63
80	2.0	13	3.43	0.31
120	3.0	8.6	2.29	0.21
160	4.0	6.5	1.71	0.51

DESCRIPTION

Discard any frozen or separated, visually observable, product.



SPECIALTY
PRODUCTS
GROUP

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SAFETY

Please refer to SDS at spgGoGreen.com or contact SPG®.

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