

TECHNICAL DATA SHEET

Product: MASCOSEAL SILOXANE 6 & 12 WB
Revision Date: 8/3/2020

Material Properties @ 75° F.

	6 WB	12 WB
Weight per gallon, lbs.	8.35	8.4
Viscosity, cps	50	50
VOC, gms/liter	< 10 g/l	< 10 g/l
Reduction in water absorption, SSW110, %	90.5	92.3
Reduction in water leakage, ASTM E514 (brick wall)		>95
Accelerated weathering 1500 hours	No Change	No Change
Abrasion Resistance	Excellent	Excellent
Dirt Pick-up	None	None
Depth of Penetration (substrate dependent), in.	1/16"-3/8"	1/16"-3/8"

DESCRIPTION

MASCOSEAL SILOXANE 6 and 12 WB are water based, oligomeric siloxane/silane, ready to use, deep penetrating water repellents. Moisture intrusion into masonry or concrete structures, combined with freeze/thaw conditions, can result in severe damage and reduced service life. MASCOSEAL SILOXANE WB products will prevent water intrusion while allowing the structure to breathe. The silane/siloxane aqueous blend reacts chemically with the substrate to form a hydrophobic bond. This reaction produces a water repellent surface without altering the appearance or texture of the treated surface.

USES

MASCOSEAL SILOXANE 6 and 12 WB are used on above grade concrete and other masonry materials that absorb water. MASCOSEAL SILOXANE 6 WB is formulated for use on dense surfaces such as brick, pre-cast, pre-stressed, exposed aggregate, poured-in-place and air entrained concrete. MASCOSEAL SILOXANE 12 WB is a general purpose repellent for use on horizontal concrete and vertical materials such as concrete, brick, sandstone and other masonry materials that absorb moisture.

COMPOSITION AND MATERIAL

MASCOSEAL SILOXANE 6 and 12 WB are proprietary, aqueous emulsions of siloxane/silane oligomers.

SURFACE PREPARATION

Cure new concrete and masonry surfaces 28 days before application. Surface must be clean, dry, open capillary,

structurally sound, free of curing or form release compounds and other contaminants that will prevent the proper penetration of product. Prior to application, joints and moving cracks must be properly sealed with an elastomeric joint sealant. Non-moving cracks and voids wider than 1/64 inch (0.4 mm) must be filled with a suitable patching material. Do not apply product to a wet surface. Surfaces must dry a minimum of 24 hours following rain or exposure to other sources of moisture. Install caulking before product application. For surfaces that have had prior coatings or treatments, contact MASONS SUPPLY.

MIXING INSTRUCTIONS

Stir MASCOSEAL SILOXANE WB slowly and thoroughly using slow speed mixing equipment before each use. Do not aerate with high speed mixers.

APPLICATION TECHNIQUES

Minimum ambient and surface temperatures 45°F and rising at time of application. Low pressure airless spray equipment with a 0.035" tip is the preferred method of application, although brush or roller application is acceptable for smaller areas. Application should be from the bottom up to ensure uniform product distribution. Apply a saturation coat with a 6-8" controlled rundown. One saturation coat of MASCOSEAL SILOXANE WB is normally sufficient for dense surfaces. For porous surfaces two saturation coats of MASCOSEAL SILOXANE WB may be required, using a "wet on wet" technique. Do not allow first coat to initial dry and develop repellency before application of second coat. Distribute material evenly. Brush out puddles. All product must penetrate the substrate with no surface build up. Apply a test patch to evaluate surface appearance and determine coverage rates.

COVERAGE

Because of variations in surface density, the following coverage rates are approximate and are intended for estimating purposes only. Use test applications on actual surfaces to accurately determine coverage rates. Most surfaces will require only one coat. Extremely porous surfaces may require two coats "wet on wet" of MASCOSEAL SILOXANE WB.

APPROXIMATE COVERAGE

	Surface	1st (sq. ft./gal.)	2nd
SILOXANE 6 WB	dense	80-150	NA
SILOXANE 12 WB	dense	80-150	NA
SILOXANE 12 WB	porous	40-60	60-100

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(wet on wet)

www.masco.net

COMPLIANCE

MASCOSEAL SILOXANE 12 WB meets SS W110C and ASTM E514 (brick walls) requirements. MASCOSEAL SILOXANE 6 and 12 WB comply with national AIM VOC regulations.

CAUTIONS

Do not dilute. Temperature of air and surface must be at least 45°F and rising. Application at temperatures above 90°F is not recommended. Do not allow first coat to initial dry and develop repellency before application of second coat. Do not apply if rain is expected within 24 hours. Water repellency properties will develop 24 hours to 5 days after application. MASCOSEAL SILOXANE WB is not intended to seal cracks or withstand hydrostatic pressure. Brush out puddles. All product must penetrate the substrate with no surface build up. Uneven application may result in a blotchy appearance of the surface. Do not apply a "fog" coat. Do not use on lightweight concrete block, limestone or non-absorbent surfaces such as glass, metal, glazed brick or tile.

Packaging: 5 gallon, and 55 gallon DOT approved containers.

Storage: 50°F to 85°F. Protect from Freezing.

Shelf Life: 1 year unopened, in protected storage.

HAZARDS IDENTIFICATION

Vapors from product may cause irritation to the nose, throat, and respiratory tract. For eyes, product may produce an oil film causing a brief reversible dimness of sight. Can cause slight irritation. Prolonged or repeated skin contact can cause skin irritation.

FIRST AID

Inhalation: Remove victim from exposure. If victim has difficulty breathing, administer oxygen. If breathing has stopped, administer artificial respiration. Seek medical attention.

Eyes: Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

Skin: Wash thoroughly with soap and water for at least 15 minutes. If irritation occurs, seek medical attention.

Ingestion: Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Seek medical attention.

CLEANUP

Clean drips, runs, and overspray residue while still wet, using detergent and water. Dried material may require mechanical abrasion for removal. Clean application and spray equipment with detergent and water immediately following use.

TECHNICAL SERVICE

For application procedures or surface conditions not specified above, please contact:

MASONS SUPPLY
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Portland, OR 97202
(503) 234-4321, FAX (503) 234-5606

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