

PRODUCT DATA SHEET

Sikalastic®-314

(formerly MSeal 614)

WATERBORNE EMULSIFIED-ASPHALT DAMPPROOFING COMPOUND

PRODUCT DESCRIPTION

Sikalastic®-314 is a cold-applied water-based emulsified-asphalt dampproofing and vapor-retarding coating for use on “green” or slightly damp surfaces. Sikalastic®-314 is reinforced with long fibers for application by trowel.

USES

- Exterior surfaces (below grade)
- Foundations
- Faces of cavity walls
- Concrete
- CMU
- Exterior-grade gypsum board
- Bonding polystyrene insulation to many substrates

CHARACTERISTICS / ADVANTAGES

- Suitable for “green” or slightly damp surfaces, speeding up dampproofing of new foundation walls
- Non-flammable to minimize fire hazard during application
- User-friendly water clean-up formula; reduces clean-up time
- Flexible
- Wide service temperature range of -40 to 150° F (-40 to 66° C) making Sikalastic®-314 suitable for most climates

APPROVALS / STANDARDS

Sikalastic®-314 complies with ASTM D 1227, Type 2, Class I and ASTM D 1187, Type 1

PRODUCT INFORMATION

Chemical Base	Sikalastic®-314 is a asphalt-based emulsion.	
Packaging	<ul style="list-style-type: none"> ▪ 53 gallon (200.9 L) drums ▪ 5 gallon (18.93 L) cans 	
Shelf Life	1 year when properly stored	
Storage Conditions	Store in unopened containers in a cool, clean, dry area. Do not allow these materials to freeze in the container; do not store below 35° F (2° C).	
Color	Black	
Solid content by mass	54%	
Solid content by volume	52%	
Viscosity	325–335 KU	(Penetrometer, 16 oz cup, 150 g weight)

APPLICATION INFORMATION

Coverage	25 ft ² /gallon at 1/16" wet film (0.61 m ² /L at 1.6 mm wet film) 12.5 ft ² /gallon at 1/8" wet film (0.31 m ² /L at 3 mm wet film)
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BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

LIMITATIONS

For Best Performance

- Keep from freezing in the container.
- Do not apply at temperatures below 40° F (4° C) or when temperatures are expected to fall to 40° F (4° C) in the next 24 hours.
- Protect from rain or moisture until coating has cured.
- Sikalastic®-314 should be protected or covered within 7 days of application.
- Sikalastic®-314 should not be exposed to long-term UV.
- Not intended as a waterproofing membrane. Refer to Sikalastic® HLM 5000.
- Do not use Sikalastic®-314 as a plaster-bond on ceilings or under Portland cement mixes on ceilings.
- ASA specifications require furring or lath or similar design features to ensure absolute adhesion of plaster.
- Proper application is the responsibility of the user. Field visits by Sika personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the job site.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Surface should be free of oil, grease, dirt, laitance and loose material. Dry surfaces must be dampened with water and kept damp until application.

APPLICATION

1. Apply Sikalastic®-314 with a trowel.

Exterior Surfaces Below Grade - Dense Surfaces

1. Apply Sikalastic®-314 in one coat by trowel. Allow first coat to dry tacky to touch before applying second coat.
2. Fill in all crevices and grooves, making sure the coating is continuous and free from breaks and pinholes. Carry coating over exposed top and outside edge of footing. Spread around all joints, grooves, and slots and into all chases, corners, reveals and soffits. Bring the coating to finished grade.
3. Backfilling: Place backfill at least 24–48 hours after application, but within 7 days. Do not rupture or damage the film or displace the coating or membranes. Some situations may require protection board.

Exterior Surfaces Below Grade - Porous Surfaces

Three alternate techniques are equally effective.

1. Membrane system: Apply one coat of Sikalastic®-314 or two coats of Sikalastic®-315 as described above under Dense Surfaces. Within 4 hours, apply Sikalastic®-995 or glass-fabric membrane cloth over all surfaces of coating, overlapping all edges at least 3" (76 mm). Press firmly into place without wrinkles. Within 24 hours, apply an additional coat of Sikalastic®-314 or Sikalastic®-315. Allow setting and backfilling as described above under Backfilling.
2. Two-coat system: Apply a prime coat of Sikalastic®-310 asphalt emulsion, cut 20% by volume with clean water. Allow prime coat to dry tacky to touch and apply one coat of Sikalastic®-314 as described above under Dense Surfaces. Allow to set and backfill as described above under Backfilling.
3. Parge coat system: Apply a parge coat of cement mortar to the block wall, carrying the parge coat from the bottom of the footings to grade level and forming a cove at the junction of the wall and footing. Allow to cure (typically 7 days). Apply either one trowel coat of Sikalastic®-314 or two brush, roller, or spray coats of Sikalastic®-315 as described above under Dense Surfaces. Allow to set and backfill as described above under Backfilling.

Interior Surfaces Above Grade - Vapor Retarder

1. Sikalastic®-310, Sikalastic®-314, and Sikalastic®-315 may be used individually or in combination for dampproofing the exterior face of interior walls in cavity wall construction.
2. Sikalastic®-314 and Sikalastic®-315 are excellent vapor retarders. Apply in one coat, carrying the coating in and around all joints, grooves and slots, following all reveals and soffits of windows and continuing 12" (305 mm) out on adjoining partitions and soffits. Sikalastic®-310 may also be used. Use one, two, or more coats, as needed, depending on amount of vapor retarding required.

3. Allow to set. If walls are to receive hard wall plaster, use furring strips or metal lath.
4. Sikalastic®-314 and Sikalastic®-315 have been used successfully for bonding polystyrene insulation board to a wide variety of substrates. On-site testing with actual substrate is recommended.

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CLEANING OF TOOLS

Clean tools and equipment immediately with hot, soapy water. Cured material can be removed with SikaSwell®-990.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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Product Data Sheet

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