GARONSEAL™ WPS

Elastomeric Waterproofing Membrane for Below-Grade Surfaces

DESCRIPTION

A black, liquid-applied, single-component, moisture-cured polyurethane coating. **GARONSEAL™ WPS** forms a seamless, flexible rubber membrane impervious to moisture for both horizontal and vertical surfaces.

USES

Use to waterproof below grade exterior walls or foundations and basements. Also used for waterproofing inside planter boxes, under shower pans, kitchen, laundry, and bathroom floors. Garonseal™ WPS can also be used as a lining for emergency water storage tanks. Garonseal™ WPS is intended for use wherever overflow water must be contained.

PRODUCT ADVANTAGES

- Allows contraction and expansion over a broad temperature range
- Maintains waterproofing properties under continuous exposure to water
- Can be used for vertical and horizontal surfaces
- Bridges hairline cracks

YIELD/COVERAGE

20 sq ft per gallon at 60 mils for one coat.

PACKAGING

- 1-gallon
- 5-gallon units

SURFACE PREPARATION

Concrete Surface must be clean, sound and dry. Remove dust, laitance, grease, curing compounds, preparation bond inhibiting impregnations, waxes and any other contaminants. All projections, rough spots, trowel marks (fins), etc. should be removed prior to coating to achieve a level surface prior to application. Clean and prepare concrete to achieve a laitance and contaminant free, open textured surface by shot blasting or use of other equivalent mechanical means per the International Concrete Repair Institute's (ICRI) 03732 Guidelines, Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings and Polymer Overlays, CSP 1-9. **Refer to Garon's Master Surface Preparation Guideline and Joint Guideline for complete details.** A light broom finish is recommended for concrete surfaces. It is desirable to watercure concrete in lieu of curing compounds. Contaminants should be removed by sandblasting or

All cracks over 1/16" must be filled with Garonseal™ WPS Knifegrade.
This may be applied by trowel or caulking gun. There is no need to wait For Garonseal™ WPS Knifegrade to cure before applying Garonseal™ WPS. Use Tigerthane™ 341 (item # 163312), a single component, moisture-cured sealant around pipelines, floor & wall joints, footings, and expansion. Available in cartridges and 5 gal units.

WOOD & STEEL SURFACE PREPARATION

For wooden surfaces, power sand then sweep or vacuum. Use sand blasting where possible for optimum results on steel.

Typical Data For Garonseal™ WPS (Product storage and curing conditions at 73°F and 50% R.H.)	
Storage Conditions	Store in dry conditions at 40°F-95°F. Condition product material to 63°F-76°F before using.
Shelf Life	Six months at 77°F in original, unopened packaging when stored indoors in a cool, dry location.
Pot Life (at 70°F)	45 minutes
Recoat Time (At 77°F and 55% RH)	16-24 hrs
Tack Free Time (At 77°F and 55% Rh)	12-16 hrs
Hardness, Shore A (ASTM D 2280)	30A
Tensile Strength (ASTM D 412)	436 psi
Tear Resistance (ASTM D 638)	175 psi
Percent Elongation (ASTM D 412)	700%
Water Vapor Transmission (60 mils thick film) ASTM E-96	0.72 (grains / hr / ft^2)
Water Vapor Permeability (60 mils thick film) ASTM E-96	0.07176 Perms. In.
Peel Adhesion Test (ASTM D 903-98)	19.0 Peel Strength

MOISTURE
Conduct quantitative anhydrous calcium chloride testing in accordance with ASTM-F1869. Maximum acceptable test result is 3 pounds per 1,000 ft2 per 24 hours. Determine the surface moisture content by using an impedance moisture meter designed for use on concrete as detailed in ASTM E-1907. Acceptable test results shall be 4% by mass or less. See Garon's **MOISTURE GUIDELINE** for additional information or contact Garon Products, Inc. if results are over 4% for assistance in selecting the proper Garon vapor barrier for your project.

NOTE: Temperature and humidity are major factors in determining cure time. Typically, cure times can double with each 10°F drop in temperature. Cure times can reduce by half with each 10°F increase in temperature.

GUIDE SPECIFICATIONS
This product is part of the Garon Products, Inc. family of resinous flooring systems. Please contact Garon for complete three part guide specifications.

Mixing Area
Select a suitable mix area and protect the floor surface from accidental resin spillage with a layer of cardboard and/or plastic sheet. Provide enough space for free unimpeded movement for mixing activity. The more comfortable your surroundings in the mix area, the less likely your mixers are to have an error. Have all necessary tools ready: slow speed drills, mix and measure containers, etc. ***Do Not Start Mixing Materials Until Ready For Immediate Use.*** Once hardener and resin are combined, it must be used immediately. Prior to mixing apply masking tape wherever coating is intended to stop. Keyed edges must be installed at edge termination points to protect the material from chipping damage and to obtain a clean, straight edge.

PRIMING
Priming may be necessary for extremely porous surfaces or new concrete pours. Use Garonseal™ WPS Primer(GP922RF™) and apply according to directions contained in Product Data Sheet (PDS). The primer is applied at a rate of 300-350 sq. ft. per gallon and must have a minimum 1-2 hour cure time before proceeding with Garonseal™ WPS. All metal flashing must be primed prior to coating with Garonseal™ WPS with GP5112MP™ Epoxy Metal Primer.

MIXING
Garonseal™ WPS is a single component product and therefore requires no mixing, however we recommend slowly blending the contents of container prior to application using a low speed mixer at 400-600 rpm. Hand mixing is not recommended.

APPLICATION & PLACEMENT
GARONSEAL™ WPS is best applied by airless spray. However, when the job does not lend itself to spraying, it may also be applied by roller, brush or squeegee. A dry film thickness of 60 mils (1.5mm) is recommended over concrete surfaces. Extremely pourous substrates should be filled prior to coating or receive additional Garonseal™ WPS.

Garonseal™ WPS may be used in a single 60 mil (1.5mm) application over sound surfaces without danger of gassing. Application must be made uniformly to avoid thin spots and care must be taken to avoid pinholes and repair them if they should occur. Coverage to obtain 60 dry mils is 20 sq. ft. per gallon. Where a two-coat application is preferred, two coats at 40 sq. ft. per gallon per coat are to be applied, allowing a 24-hour cure time between coats.

Protection board must be used prior to backfilling or pouring the concrete topping slab. Install protection board on cured membrane without delay so that the period of exposure is minimized. GARONSEAL™ WPS should not be applied to surfaces having a greater than 20% moisture content.

COLD WEATHER APPLICATION:
Use Garon's™ Super Cure Accelerator additive in cold weather applications. Mix one quart of accelerator with a 5-gallon pail of Garonseal™ WPS to speed up cure times in cold weather.

CURING
Allow a 24-hour cure time between coats and before application of protection board.

LIMITATIONS
- All surfaces must be completely free of foreign matter
- Containers that have been opened must be used within one or two days since it is a moisture-reactive material. It sets up when exposed to air.
- Upon opening lid on pail. If material has formed a "skin" of cured material on top, carefully cut the cured layer off and use remaining material.
- KEEP FROM FREEZING
- The user is responsible for proper application. Garon personnel field visits are for the purpose of providing technical assistance only and are not for providing quality control or supervision on the jobsite.

CHEMICAL RESISTANCE
This product is resistant to most common chemicals. Please refer to **Garon's Chemical Resistance Chart** for actual resistance to specific chemicals/reagents.

SLIP & FALL HAZZARDS
Ensure cured coating surface remains dry in pedestrian, equipment and vehicular areas to avoid slips and falls of people, equipment and vehicles. Use caution when coating is wet or when oil, hydraulic fluids, grease or other chemicals, fluids or agents that may produce a slick surface are present. Increase slip resistance by broadcasting an appropriate size aggregate into the wet coating during application in all areas where enhanced coating traction may be necessary. **Be aware of the full cure time. Do not open the area to normal service, harsh industrial chemical or abusive use before the coating is fully cured.**

CLEAN UP
Contain spills. Ventilate area. Use absorbent materials to collect. Dispose of according to local, state, federal regulations. Mixed components — uncured material can be removed with an approved xylene or keytone solvent. Cured material must be removed by mechanical means.

DISCLAIMER
The information and recommendations set forth in this document are based upon tests conducted by or on behalf of Garon Products, Inc. Such recommendations and information set forth herein are subject to change and pertain to the product(s)

offered at the time of publication. Published technical data and instructions are subject to change without notice. Consult www.garonproducts.com or call 800-631-5380 to obtain the most recent Product Data, MSDS and Application instructions. This is not a controlled document.

COLOR

Applied samples, color charts, illustrations and reproductions in catalogs and other Garon publications are not guaranteed to match the color shades of materials ordered. Colors or clarity for clear may be affected by high humidity, low temperatures, or chemical exposure. Tire contact may cause discoloration. Slight lot-to-lot color variations may occur. Light or bright colors (white, safety yellow, etc.) may require multiple coats or a suitable color coordinated primer to achieve a satisfactory hide. When ordering to match a previous color, inquire if the same lot number or quality control number is still available. Colors may vary from batch to batch, therefore, use only product from the same batch for an entire job.

FIRST AID

Skin contact- wash thoroughly with soap & water. If any product gets into the eye, rinse immediately and repeatedly with water for at least 15 minutes. For respiratory problems, remove person to fresh air. Wash clothing before re-use. Dust may cause skin or eye irritation. Wear gloves, eye and nuisance protection. **CONSULT MSDS** and call for medical care if necessary.

CAUTION

Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed.

Keep container tightly closed. Not for internal consumption--consult MSDS for additional information. This product is for professional use only.

KEEP OUT OF REACH OF CHILDREN

Made in USA.

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