



PRODUCT TECHNICAL DATA INFORMATION

PRODUCT NO.: 52

SHIELD'S ALL PLUS

PRODUCT DESCRIPTION

Richard's Shield's All Plus is a specially formulated waterborne water-repellent coating for wood and masonry surfaces. Its special formula is designed as an alternative to the solvent-based water-repellent coatings that contain silicones. It provides excellent sealing and water-beading properties, reduces water adsorption and swelling of wood. It has excellent breathing properties and has zero VOC's. Formulated to meet ASTM D4446 specifications pertaining to the swelling of wood and Federal Specification SS-W-110C pertaining to water repellency on cementitious surfaces. **ENVIRONMENTALLY SAFE! FOR INTERIOR & EXTERIOR USES!**

**NOT RECOMMENDED FOR SURFACES THAT ARE TO BE PAINTED.
THIS PRODUCT WILL INTERFERE WITH THE ADHESION OF TOP-COATS.**

SUGGESTED PRODUCT USE

SUITABLE FOR APPLICATION TO THE FOLLOWING PROPERLY PREPARED SURFACES:

**WOOD SHINGLES * WOOD SIDING * WOOD FENCES * WOOD SHAKES * MASONRY * TILE GROUT * DECORATIVE BRICK
STONE * SIMULATED BRICK * CANVAS * STUCCO * CONCRETE BLOCK**

PRODUCT FEATURES

**VOC. COMPLIANT - (0 VOC'S) * WATERBORNE FORMULA * INTERIOR & EXTERIOR USES * PENETRATES
APPLIES EASILY * REDUCES SWELLING OF WOOD * EXCELLENT WATER-BEADING PROPERTIES
ENVIRONMENTALLY SAFE!**

PRODUCT SPECIFICATION DATA

* COLORS:	Clear
* FINISH:	Transparent
* FLASH POINT:	N/A
* METHOD USED:	T.C.C.
* COATING V.O.C.:	0.0 LB/GAL. - (0 GRAMS/LTR.)
* SOLIDS:	By Volume: 9.93% ± 2% By Weight: 11.00% ± 2%
* RECOMMENDED MIL FILM:	Wet: 5.3 mils - (Estimated At 300 Square Feet Per Gallon). Dry: .5 mils - (Estimated At 300 Square Feet Per Gallon).
* ESTIMATED COVERAGE:	Covers approximately 200 - 400 square feet per gallon depending on the type of application and the porosity of the surface.
* CLEAN UP:	Water
* THINNING:	DO NOT THIN
* ESTIMATED DRY TIME:	Dries to the touch in approximately 30 minutes, full water repellency in 48 hours, depending on conditions. DO NOT APPLY MORE THAN 1 COAT!

PRODUCT ANALYSIS DATA

PIGMENT: 0%

VEHICLE: 100.00%



MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON FORMAL REQUEST.

SURFACE PREPARATION

GENERAL: The entire surface area to be painted should be clean, dry, sound and free from all dirt, grease, oils, waxes, curing agents and any other surface contaminants that may cause coating failure.

Mildew - Surface areas affected by mildew should be washed with a commercial mildew removal product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD, or log on to www.epa.gov/lead

PRODUCT APPLICATION

Richard's Shield's All Plus may be easily applied with a quality brush, roller or low pressure hand pump sprayer. If applying by brush, apply a smooth and even coat application on/in smaller surface areas such as, painting trim or cutting-in larger surface areas. If applying by roller, apply an even coat application in an "M" or crisscross motion, avoiding any excessive respreading or reworking. Always maintain a wet edge during application by brushing/rolling into previously applied coating area. If applying with a low pressure hand pump sprayer, spray coating evenly, working in sections, until entire surface area is coated. Apply when surface and ambient temperatures are above 55° F and below 90° F. Avoid application outside when weather conditions are threatening and late in the afternoon when there is a threat of moisture condensing on wet coating. **DO NOT APPLY MORE THAN 1 COAT!**

KEEP FROM FREEZING!

PRECAUTIONS

CAUTION: KEEP OUT OF REACH OF CHILDREN! Avoid prolonged contact with skin and breathing of vapors and/or spray mists. **USE WITH ADEQUATE VENTILATION!** Where ventilation is inadequate, use a suitable respirator. When spraying this material, use an **OSHA** approved cartridge respirator. Use chemical safety glasses, goggles, or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!**

FIRST AID: In case of skin contact, wash thoroughly with plenty of warm soapy water. For eye contact, flush with plenty of water for 15 minutes, **SEEK IMMEDIATE MEDICAL ATTENTION!** If affected by inhalation, move immediately to fresh air. If swallowed, **DO NOT INDUCE VOMITING, SEEK IMMEDIATE MEDICAL ATTENTION!**

MIXING INSTRUCTIONS & PACKAGING

Stir thoroughly and apply as it comes from the container. **No Thinning Is Necessary!**

* **Pint Cans:** N/A

* **Quart Cans:** N/A

* **Gallon Cans:** 4 Per Case

* **Two Gallon Cans:** N/A

* **Five Gallon Cans:** N/A

* **Weight Per Gallon:** 8.43 lbs.

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