

## TECHNICAL DATA SHEET

### ShieldAll 6053

#### Description

**ShieldAll 6053** is a water-based intumescent coating for use over combustible construction materials. It forms an expanded protective char in fire that greatly inhibits flame spread and smoke development. It will slow the burn-through of combustible construction materials to help meet building fire codes. It can allow the use of combustible construction materials where a Class A rating by ASTM E-84 is required by building codes.

**ShieldAll 6053** contains no volatile organic components, is low odor, and non-hazardous to apply and use. It uses a synergistic blend of non-hazardous fire retardant components to obtain its superior protective qualities.

**ShieldAll 6053** is intended for interior applications with excellent adhesion to wood, OSB, drywall, and concrete. It is flexible and will not chip, crack, flake, or blister. It can be over-coated with commercial latex paints.

**ShieldAll 6053** meets NFPA 90A & 90B 25/50 requirements for interior applications when tested by ASTM E-84 over construction materials at 80 ft<sup>2</sup>/gallon cover rate. Tested at 80 ft<sup>2</sup>/gallon over 7/16 inch OSB, it obtained a FSI of 20 and smoke developed index of 155.

#### Typical Properties

Color:	Tan
Consistency:	Brush, roll, or spray
Weight per gallon:	10.6-10.8 lbs.
Total Solids by Weight:	60-63%
Viscosity range:	2000-4000 cps
Coverage Rate:	80-250 ft <sup>2</sup> /gal. (Subject to the smoothness and porosity of the material being coated, and protection required.)
Drying Time:	(Subject to temperature, humidity, surface moisture content and coverage rate.)
Set to touch:	1-2 hours
Dry through:	48-96 hours
Wet Flammability: ASTM D93	No Flash to boiling 212°F

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WARRANTY: Seller will not accept liability for more than product replacement or refund. Any claim regarding product defect must be received in writing within 6 months from the date of shipment. Seller makes no other Warranty or Guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability. The Seller shall assume no other liability for incidental or consequential damages arising out of the sale or use of this product.  
December 29, 2006

# APPLICATION GUIDE

## ShieldAll 6053

### ***Material Preparation***

Apply only to clean, dry surfaces. Keep container closed when not in use. DO NOT THIN.

### ***Surface Preparation***

All surfaces should be thoroughly cleaned to remove all mold, dust, and loose particles. All weathered wood should be lightly sanded before application of **ShieldAll 6053**.

### ***Application***

Always ensure adequate ventilation. Caulk all joint gaps 1/8" wide or greater before coating application. Apply **ShieldAll 6053** to all surfaces by brush, roller, or airless spray at a rate of approximately 80-250 ft<sup>2</sup>/gal. Under normal circumstances an application can be completed in one coat, but for extremely porous or irregular surfaces a second coat may be required. Ensure the finished coating is well sealed. For airless spray application use an electric 30:1 unit with a 0.015-0.021 fluid tip and 800-900psi gun atomizing pressure.

### ***Clean-Up***

Use fresh water to clean brushes and paint rollers before product dries. Flush spray equipment with a cleaning solution of ½ cup pine oil cleanser, ½ sudsy ammonia, and 4 gallons of water. Flush until material exiting pump shows no evidence of **ShieldAll 6053**. Dry product may be removed with solvents such as chlorinated solvents, undiluted pine oil, or citrus-based cleansers.

### ***Limitations***

Store and apply between 40F and 105F. Protect from freezing.

Product shelf life is approximately 1 year when stored between 40°F and 105°F.

For exterior use top-coat with a high quality exterior latex paint after 48 hours (minimum) dry time.

Keep out of reach of children.

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