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## TECHNICAL DATA SHEET

### ShieldAll 6023

#### **Description**

**ShieldAll 6023** is a water-based intumescent coating for use over combustible construction materials. It forms an expanded protective char in a 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 6023** 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 6023** is intended for interior applications with excellent adhesion to wood, OSB, drywall, and concrete. It is flexible, and will not chip, crack, flake nor blister. It can be over-coated with commercial latex paints.

**ShieldAll 6023** 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 a Smoke developed Index of 155.

#### **Typical Properties**

Color:	White
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:	No Flash to boiling
ASTM D93	212°F

Disclaimer: We believe that the information provided in this technical data sheet is correct to the best of our knowledge and tests. The usage directions and recommendations are herein made without guarantee or representation as to results. We recommend that suitability and usage of this product be performed by the user to determine if this product meets all his/her requirements. In no event will the seller be liable for any consequential damages arising out of the use of this product.

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

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**PROTECTIVE CHEMISTRIES INC.**  
*Practical solutions by innovative designs*

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## **APPLICATION GUIDE**

### **ShieldAll 6023**

#### ***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 6023**.

#### ***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 surface 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 6023**. Dry product may be removed with solvents such as chlorinated solvents, or 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.

For Professional Use Only

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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.

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