



**Protective Chemistries**  
INCORPORATED

## TECHNICAL DATA SHEET ShieldAll 2020

### Description

**ShieldAll 2020** is a technically designed, water-based pest, mold, algae, and fire resistive coating for use over all construction materials. It is fast drying and will inhibit the growth of all fungus, mildew, or mold on its surface for many years. The dried film is fire resistant, and will provide added fire protection to combustible construction material.

**ShieldAll 2020** provides a water-resistant film with excellent adhesion to wood, drywall, concrete, metal and other construction material surfaces. It is tough and flexible and will not chip, crack, or flake. It breathes well, allowing moisture vapor to permeate through the film.

**ShieldAll 2020** is ideal for use in new construction to prevent future mold or mildew growth on its surface as well as to strengthen and seal porous and semi-porous construction surfaces. It can also be used in building remediation to restore the integrity of aged and mold- or water-damaged materials and eliminates mold odors when surfaces are cleaned and sealed

**ShieldAll 2020** is avoided by termites and other wood boring insects and provides a barrier that they will not eat through or tunnel under when applied over wooden surfaces.

**ShieldAll 2020** contains less than 1 gram/liter volatile organic components, is low odor, and non-hazardous to apply and use. It uses a synergistic blend of natural and non-hazardous man-made components to obtain its superior protective qualities. It meets NFPA 90A & 90B 25/50 requirements when tested by ASTM E-84.

### Typical Properties

Color:	White
Consistency:	Brush, roll, or spray
Weight per gallon:	10.1-10.3 lbs.
Total Solids by Weight:	44-46%
Viscosity range:	1500-2500 cps
Coverage Rate:	300-600 ft <sup>2</sup> /gal. (Subject to the smoothness and porosity of the material being coated.)

Drying Time:	(Subject to temperature, humidity, and surface moisture content.)
Set to touch:	20-30 minutes
Dry through:	12-24 hours
Wet Flammability: (ASTM D93)	No Flash to boiling (212°F)

Surface Burning Characteristics (ASTM E-84)	
Tested at a coverage rate of 400 ft <sup>2</sup> /gal applied over inorganic reinforced cement board.	
Flame Spread	Less than 25
Smoke Developed:	Less than 50

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  
December 29, 2006

# APPLICATION GUIDE

## ShieldAll 2020

### ***Material Preparation***

Stir well. 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. Pre-clean and disinfect mold- or mildew-contaminated surfaces.

### ***Application***

Apply uniformly to wood and gypsum wallboard surfaces at a rate of 300-600ft<sup>2</sup>/gal until a thin uniform film remains on the surface. OSB and weathered wood require more than new wood surfaces. **ShieldAll 2020** can be sprayed with any airless equipment with a .13-.17 mil spray tip.

### ***Over Coating***

Allow **ShieldAll 2020** to dry completely before over coating with a minimum dry time of 1 hour. A single coat is all that is required for mold, termite, and other pest protection.

### ***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 2020**. 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.

Keep out of reach of children.

This product does not protect the user or others against bacteria, viruses, germs, or other disease organisms.

U.S. Patent #6881247, 04/19/2005

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.  
December 29, 2006