

## TECHNICAL DATA SHEET ShieldAll 1020



**Protective Chemistries**  
INCORPORATED

### Description

**ShieldAll 1020** is an excellent white surface primer for all types of wood, wallboard, concrete, OSB, and other construction surfaces. It penetrates porous surfaces quickly. It is a tough and flexible film that has long-term sound adhesion, eliminating any future blistering, peeling, cracking, or chipping off the surface. It breathes well, allowing moisture vapor to permeate the film at recommended coverage rates.

**ShieldAll 1020** has long-term mold resistance properties that protect it from fungus, mold, or odor-producing bacteria from growing on its surface. It will provide protection from mold or mildew growth even in damp environments. At 700ft<sup>2</sup>/gallon over OSB, pine wood, or drywall facing, it has zero fungal growth by ASTM D 5590.

**ShieldAll 1020** requires a second coat for exterior applications over bare wood, for a total coverage of 200-300 ft<sup>2</sup>/gallon, or it can be painted over with any latex or oil-based paint as soon as it is dry, normally in 1-2 hours. For interior applications, it does not need a second coat unless a completely uniform white finish is desired. It will greatly improve the water resistance of wood or gypsum wallboard and minimize surface water absorption under wet conditions. It will inhibit bleed-through of stains.

**ShieldAll 1020** 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 1020** 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:	9.5-9.7 lbs.
Total Solids by Weight:	35-37%
Viscosity range:	1200-3000 cps
Coverage Rate:	300-1000 ft <sup>2</sup> /gal. (Subject to the smoothness and porosity of the material being coated. The level of protection should also be taken into account.)
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 700 ft<sup>2</sup>/gal applied over inorganic reinforced cement board.  
Flame Spread           Less than 25  
Smoke Developed:    Less than 50

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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.  
May 2, 2007

# APPLICATION GUIDE

## ShieldAll 1020

### ***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 or gypsum wallboard surfaces at a rate of 300-1000ft<sup>2</sup>/gal until a thin, uniform film remains on the surface. OSB and weathered wood require more than new wood surfaces. On hard, non-porous surfaces such as hardwoods or finished concrete, it can be used at 600 to 1000 ft<sup>2</sup>/gal. **ShieldAll 1020** can be sprayed with any airless equipment using a .13-.17 mil spray tip.

### ***Over Coating***

Allow **ShieldAll 1020** to dry completely before over coating with a minimum dry time of 1 hour. A single coat is all that is required, but two coats will provide better hide and whiteness. On exterior applications over bare wood use two coats for 200-300 ft<sup>2</sup>/gallon total coverage rate.

### ***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 1020**. Dry product may be removed with solvents such as chlorinated solvents, lacquer thinner, 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

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