



TECHNICAL DATA SHEET ShieldAll 1050



Protective Chemistries
INCORPORATED

Description

ShieldAll 1050 is an excellent surface primer for all types of wood, wallboard, concrete, and other construction surfaces. It penetrates porous surfaces quickly. It is a tough and flexible film with 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 1050 has long-term microbial resistance properties that protect it from fungus, mold, or odor-producing bacteria from growing on its surface. It provides protection from mold or mildew growth, even in damp environments. When tested at 800ft²/gal on drywall facing, OSB, and pine wood by ASTM D 5590 it has zero fungal growth.

ShieldAll 1050 can be painted over with latex or oil-based paints as soon as it is dry, normally in 1-2 hours. For interior applications, it does not need to be over coated. 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 1050 is ideal for use in new construction to prevent future mold or mildew growth on its surface as well as 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. It is low in odor and non-hazardous to apply and use.

Typical Properties

Color:	Beige
Consistency:	Brush, roll, or spray
Weight per gallon:	9.6-9.7 lbs.
Total Solids by Weight:	33-35%
Viscosity range:	1200-2000 cps
Coverage Rate:	700-1000 ft ² /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:	No Flash to boiling(212F), ASTM D-93

Surface Burning Characteristics (ASTM E-84)

Tested at a coverage rate of 800 ft²/gal applied over inorganic reinforced cement board.

Meets NFPA 90A & 90B 25/50 requirements.

Flame Spread 0

Smoke Developed: 0

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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 1050

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 construction surfaces at a rate of 700 - 1000ft²/gal until a thin, uniform film remains on the surface. OSB and weathered wood require more than new wood surfaces. For gypsum wallboard apply at a rate of 700-1000ft²/gal. On hard non-porous surfaces such as hardwoods or finished concrete it can be used up to 1200ft²/gal. **ShieldAll 1050** can be sprayed with any airless equipment using a .13-.17 mil spray tip.

Over Coating

Allow **ShieldAll 1050** to dry completely before over coating with a minimum dry time of 1 hour. A single coat is all that is required.

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 cup sudsy ammonia, and 4 gallons of water. Flush until material exiting pump shows no evidence of **ShieldAll 1050**. Dry product may be removed with solvents such as chlorinated solvents, undiluted pine oil, or citrus-based cleansers.

Limitation

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 applications, over coat with latex paint within 3 months.
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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