

TECHNICAL DATA SHEET ShieldAll 2050

Description

ShieldAll 2050 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 2050 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 2050 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

ShieldAll 2050 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 wood surfaces. I

ShieldAll 2050 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:	Beige
Consistency:	Brush, roll, or spray
Weight per gallon:	10.2-10.5 lbs.
Total Solids by Weight:	45-47%
Viscosity range:	2000-3000 cps
Coverage Rate:	300-600 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:	1-2 hours
Dry through:	24-48 hours
Wet Flammability: (ASTM D93)	No Flash to boiling (212°F)

Surface Burning Characteristics (ASTM E-84)

Tested at a coverage rate of 400 ft²/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
December 29, 2006

APPLICATION GUIDE

ShieldAll 2050

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 must be sanded or high pressure washed to provide a sound surface before application of **ShieldAll 2050**.

Application

Always ensure adequate ventilation. Caulk all joint gaps 1/8" wide or greater before coating application. Apply **ShieldAll 2050** to all surfaces by brush, roller, or airless spray at a rate of approximately 300-600 ft²/gal. Brushing or rolling will require two coats. Under normal circumstances, a spray 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 0.015-0.018 fluid tip and 600-900psi gun atomizing pressure. Viscosity is 2000-3000 cps.

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 2050**. 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 interior or below grade use. On exterior exposure applications it must be over-coated or covered 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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