

FW-100A Acrylic Air & Water Barrier, Vapor Retarder for Frame Wall Surfaces Residential

Product Description

Wall Guardian FW-100A is a one-component acrylic based, liquid applied, elastomeric, air and water barrier, vapor permeable (breathable/retarder).

Basic Use

To provide a vapor permeable air and water barrier on construction surfaces such as gypsum board, OSB sheathing, plywood, CMU and other construction surfaces.

Limitations

Apply at temperatures over 40°F (10°C). Do not apply when rain is forecast within the next 12 hours.

Technical Data

Vehicle Base	Acrylic
Water Vapor Permeance E96B	17.3 perms
Weight per Gallon	11.2 lbs
Solids by Weight	64%
Solids by Volume	52 +/- 2%
Air Permeance ASTM E2178 (CFM/ ft ²) 21mil dry thickness @ ΔP = 0.3 in _{water}	.0013
Tensile /Elongation @ 73F ASTM D 2370 Initial Elongation Initial Tensile Strength	124% 300 psi
FULL SCALE WALL TESTING ASTM 2357 System Air Leakage	Required .04 CFM/ ft ² Results .0004 CFM/ ft²
Penetration Check	Required .045 CFM/ ft ² Results PASS
Dry Time Sets to Touch Recoat	4 – 6 hours 24 hours
VOC g/L	< 50 gr/L
Recycled content by weight	25%
Exposure	6 months
Solvent	Water
Clean up	Warm soapy water

Surface Preparation

All surfaces must be cleaned. Remove all dirt, debris, and any contamination which could prevent proper adhesion.

Joint and Crack Treatment

Joints between panels of exterior grade gypsum, plywood and rigid insulation up to 1/4" wide shall be filled with a 1/16" x 3/4" cap bead application of GreatSeal LT-100 Liquid Tape. Joints between panels wider than 1/4" must be sealed with 4" wide UT-40 Universal Tape.

Surfaces should be flashed in with beams, columns, window and doorframes, etc.: using UT-40 Tape lapped a minimum of 2" on both substrates. Mechanical attachment should be made to all window and doorframes, or a properly designed sealant joint provided.

Application

FW-100A may be applied with heavy brush, rollers, heavy-duty spray equipment or spreaders on a completely dry surface. FW-100A may be applied in a single coat. **In all cases FW-100A must be vigorously stirred prior to application.**

Mark areas off and ensure that the appropriate volume has been applied over each area. During spraying, the product should be applied in horizontal strokes, then vertical strokes in a cross-hatch method to ensure even application.

All spray applications must be immediately backrolled.

Coverage Rates

Requires an application rate of 2 gallons per 100 ft² (50 sf per gallon) or 32 mils wet film thickness over OSB, plywood, Dens Glass Gold or any exterior gypsum sheathing after sheathing joints are treated with LT-100. **Note:** Printing ink on sheathing boards or OSB may be lifted by the application of FW100A and show on surface. This does not affect the performance of the product.

Technical Services

Technical advice on use of material for specific application and end-user requirements is available from the manufacturer. Material Safety Data Sheet (MSDS) should be consulted for further information. This product is for industrial and professional use only.

Packaging

55 gallon drums (208.2 liters)
5 gallon pails (18.9 liters)

Warranty

This product is manufactured of good materials and by competent workmen. Seller's and manufacturers only obligations shall be to replace such quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the use or the inability to use the product. Before using, user shall determine the suitability of the product for his/her intended use; and user assumes all risk and liability.