

Physical Properties

Color	Cream	Flammability	
Solids, by volume	72%	Wet	Flammable
Weight	10 lbs/gal	Dry	Fire Resistive
Coverage	13.5 ft ² /gal	Flame Spread	Flame Spread Index: 44
Water Vapour Permeance ASTM E96, 1/8" wet film	1.7 ng/Pa.m ² s (0.03 Perms)	ASTM E84	Smoke Developed: 19 NFPA285 Compliant
Application Temperature	10°F to 104°F (-12°C to 40°C)	Aging, Long Term Flexibility CGSB 71-GP-24M	No Fracturing
Service Temperature Glue Line	-40°F to 140°F (-40°C to 60°C)	Elongation ASMT D412	1100%
Drying Time 50% RH, 68°F	Initial Set: 4 hours Set Through: 2 days	Low Temperature Flexibility ASTM D3111	Pass, 5°F (-15°C)
VOC, max	<250 g/l	Watertightness CGSB-37.58-M86	Pass
		Air Permeance, ASTM E2178 1.6 lbs/ft ² of Pressure	Air Leakage 0.0004 CFM/ft ²

Packaging

HE021FR576

5 GAL (18.93 L) Pails

Description

Air-Bloc® 21FR is a trowel consistency solvent-type, synthetic rubber-based insulation contact adhesive formulated for ease of application to construction surfaces such as masonry, concrete, gypsum board, and wood.

Features

- Fire resistive once dry
- Cures to a flexible film which resists air leakage
- Smooth spreading
- Can be applied at low temperatures
- Seals around projections such as brick ties
- Adheres to most types of rigid insulations

Uses

Designed to provide a fire resistive air, vapor and rain barrier when used as a full bed adhesive in conjunction with rigid foam or semi-rigid insulation such as paper-faced fibrous glass, polystyrene, mineral wool or polyisocyanurate. Can be applied to construction surfaces such as masonry, concrete, gypsum board, and wood. Designed for resistance of air leakage against suction pressure from gust and sustained wind loads. Chemically resistant to salt solution, mild acids and alkalis; non-resistant to oils, grease or solvents.

Surface Preparation

All surfaces must be sound, dry, clean, and free of oil, grease, dirt, excess mortar, or other contaminants. New concrete should be cured for a minimum of 14 days before **Air-Bloc 21FR** is applied. Concrete surfaces should be free of large voids and spalled areas.

Joins & Crack Treatment

Joints between panels of exterior grade gypsum, plywood and rigid insulation up to ¼-inch (6 mm) wide shall be filled with a trowel application of Air-Bloc 21FR and reinforced with a strip of 2-inch (50 mm) wide glass fiber tape prior to application of liquid membrane. Joints between panels of exterior grade gypsum or plywood wider than ¼-inch (6 mm) should be sealed with Blueskin[®] SA membrane adhered to the substrate lapped a minimum of 3-inch (75 mm) on both sides of the crack.

Cracks in masonry and concrete up to ¼-inch (6 mm) wide shall be filled with a trowel application of Air-Bloc 21FR and allowed to cure overnight prior to application of the liquid membrane. Alternatively, the cracks may be sealed with a strip of Blueskin SA membrane applied to the substrate. Cracks wider than ¼-inch (6 mm) should be sealed with Blueskin SA membrane adhered to the substrate lapped a minimum of 3-inch (75 mm) on both sides of the crack.

Surfaces should be tied in with beams, columns, window and door frames, etc. using strips of Blueskin SA lapped a minimum of 3-inch (75 mm) on both substrates. Mechanical attachment should be made to all window and door frames, or a properly designed sealant joint provided.

Application

Apply a continuous unbroken film by trowel at a wet thickness of ⅛-inch to the surface. Overlap any Blueskin SA membrane by a minimum of 1-inch (25 mm). Press insulation firmly in place to ensure complete contact. Refer to Air-Bloc 21FR Guide Specifications for detailed application information.

Care should be exercised to ensure full contact of the adhesive around protrusions such as brick ties at the point of contact with the wall. Cure rate is dependent upon temperature and porosity of the surface and insulation being bonded. Coverage rate is dependent upon individual applicator and porosity of the surface.

Clean Up

Use mineral spirits or citrus based cleaners. Read solvent Safety Data Sheets before use. Keep cleaning solvents away from all sources of heat, sparks, flame, lighted smoking materials, or any other ignition source.

Limitations

Air-Bloc 21FR is formulated to not attack polystyrene insulation when applied at ambient temperatures, below 104°F (40°C). Insulation must be installed into wet film immediately or blistering of membrane may occur. In temperatures above 104°F (40°C) at time of application, the adhesive must be allowed to cure fully before exposing polystyrene insulation. Use mechanical fasteners when installing ceiling insulation. Plaster or other wall finishes should not be applied to the insulation without ensuring adhesive strength is adequate to support the finish. Do not use as insulation clip adhesive. Not designed to perform as a permanently exposed surface. **FOR EXTERIOR USE ONLY.**

Precautions

Air-Bloc 21FR will remain flammable after application until it cures fully to a fire resistive film. The time for full cure will depend on temperature and humidity conditions and will be take at least one (1) month.

DANGER: Extremely flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Before handling, read the Safety Data Sheet for protective equipment and additional safety, health and environmental information. **KEEP OUT OF REACH OF CHILDREN.**

Keep away from heat, sparks and flame. Vapors may cause flash fire. Do not smoke. Extinguish all flames and pilot lights; turn off all stoves, heaters, electric motors, and other sources of ignition during use and until all vapors are gone. Do not heat container or store at temperatures greater than 120°F (48°C). CLOSE AIR INTAKES until solvents dissipate. Contains volatile solvents that might contaminate potable water. Close container after each use.

WARNING: This product contains detectable amounts of chemicals known to the State of California to cause cancer, or birth defects, or other reproductive harm.

Limited Warranty

Many factors which affect the results obtained from this product – such as weather, workmanship, equipment utilized, and prior condition of the substrate – are all beyond our control. We, the manufacturer, warrant only that we will replace, at no charge, any product proved to have a material defect in original manufacturing within 12-months of purchase, provided the product has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. **DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY:** THIS LIMITED WARRANTY IS IN LIEU OF ANY OTHER CONDITIONS OR WARRANTIES EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED CONDITION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO ONE, INCLUDING THE MANUFACTURER, SHALL HAVE ANY LIABILITY OF ANY KIND, INCLUDING FOR NEGLIGENCE OR FOR DIRECT, EXEMPLARY, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, RESULTING FROM ANY MISUSE, DEFECTS, ANY DELAYS CAUSED BY REPLACEMENT, OR OTHERWISE BEYOND PRODUCT REPLACEMENT. IF PURCHASER DOES NOT ACCEPT THESE TERMS, PURCHASER MAY RETURN ALL CONTAINERS OR PACKAGES OR PRODUCT PURCHASED FOR A FULL REFUND (PROVIDED THE CONTAINERS OR PACKAGING IS UNOPENED AND LESS SHIPPING CHARGES IF ANY) WITHIN 30-DAYS OF PURCHASE. RETENTION OF PRODUCT BEYOND 30-DAYS OR USE OF PRODUCT SHALL CONSTITUTE ACCEPTANCE OF THESE TERMS, CONDITIONS, AND DISCLAIMERS. THIS LIMITED WARRANTY AND LIABILITY DISCLAIMER PROVIDES THE PURCHASER'S EXCLUSIVE REMEDY, FROM ANYONE, FOR ANYTHING RELATED TO THE PRODUCT. To the extent that any part of this LIMITED PRODUCT WARRANTY AND LIABILITY DISCLAIMER is determined unenforceable under the law of the place of purchase of the product, that part is severed and the remainder of these terms remain in full force and effect. To the extent permitted by law, the duration of any implied conditions or warranties is limited to the duration of Henry's express warranty. For further details of Henry's product warranty, see our website at www.henry.com/warranty.

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