Master Wall Inc.®
Building a Culture of Excellence

PRODUCT DATA

SUPERIORSHIELD ROLLERSHIELD VB

SuperiorShield Rollershield VB is the vapor barrier version of our Rollershield Liquid applied Air/Water Barrier (LAB). Rollershield VB is a high quality roll applied flexible air and water barrier. Easily applied with a trowel, brush, roller, hopper gun or airless sprayer. Rollershield VB forms a continuous air, water, and vapor barrier that protects approved substrates from incidental water damage.

FEATURES & BENEFITS

- 100% Coverage
- Class I Vapor Retarder
- Vapor impermeable, 0.07 perms
- Doesn't rattle in the wind
- Used as water barrier and flashing
- Compatible with Rollershield-RS, Rollershield-TG, SuperiorFlash and WeatherSTOP Tape (also Vapor Impermeable)
- Adheres to most common building materials
- Easy to apply, water based for easy cleanup
- Low VOC

Application Temperature: 40°-110°F (5°-43°C) Dry to Touch: 1 hr. Recoat Time: 2 hrs. Dry Time: 12 hrs. at room temperature, working and drying time will vary with temperature and humidity.

JOB CONDITIONS

Air and substrate temperature for application of Rollershield VB must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

PREPARATION

The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Substrates must be flat and free of fins or planar irregularities greater than 1/4" in 10'-0" (6.35 mm in 3.05 m).

Coverage per pail (sf/m²)*

Roller: 225-250 (21-23)
Trowel: 100-125 (9-11.6)
Spray: 150-175 (14-16)

**2-coat coverage @ 20 mil dry thickness. All coverage is approximate and depend upon substrate, details and individual application*

Packaging/Shelf Life/Storage

Packaging: 5 gallon (19 L) pail

Shelf Life: 2 years

Storage: Protect from extreme heat - 90°F (32°C), freezing and direct sunlight.

Technical Data

Tensile Bond, ASTM C297/E2134/AC212: 30-200 psi

Freeze-thaw ASTM E2485/AC212: Pass

Water Resistance, ASTM D2247/AC212: Pass

Water Vapor Transmission, ASTM E96 Proc. B/AC212: 5 perms

Air Permeance, ASTM E2178: 0.001 cfm/ft2 @ 1.57 psf, 0.001 L/s/m2 @ 75 Pa

Air Leakage, ASTM E2357: 0.0006 cfm/ft2 @ 1.57 psf (0.003 L/s/m2 @ 75 Pa), 0.04 cfm/ft2 @ 6.24 psf (0.02 L/s/m2 @ 300 Pa)

Structural Performance, ASTM E1233/AC212: Pass
Racking, ASTM E72/AC212: Pass

Restrained Environmental, AC212: Pass

Water Penetration, ASTM E331/AC212: Pass

UV Exposure: Rated to 6 months

Accelerated Aging, AC212: Pass

Hydrostatic Pressure Test, AATCC 127/AC212: Pass

Nail Sealability, ASTM D1970: Pass

APPLICATION PROCEDURE

Concrete – Must have cured a minimum of 28 days prior to the application of Rollershield VB. If form release agents or curing compounds exist on the surface, they must be removed with a solution of muriatic acid or similar product (with appropriate precautions). Remove any residual acid by flushing with water.

Brick/Masonry – If joints are not struck flush, multiple coats may be required. Contact Master Wall for more information.

Sheathing Applications - Sheathing gaps must be less than 1/4" (6.4 mm). For gaps larger than 1/4" (6.4 mm) WeatherSTOP Tape or Rollershield Flashing Tape may be used. Gap wood-based sheathing per manufacturers recommendations, typically 1/8" (3.2 mm) minimum.

Mixing - Thoroughly stir Rollershield VB into a homogenous consistency. Do not add water, over mix, or add accelerators or retarders to Rollershield VB.

Application – Rollershield VB is applied by first treating the joints and fastener locations where sheathing is used, then coating the entire surface with 2-coats of 15-mils wet (10 mils dry) using brush, roller, trowel or airless spray equipment techniques. When using a foam roller, a maximum ¾" (19 mm) nap is recommended. Apply Rollershield VB in an even, continuous coat, maintaining a wet edge of approximately 15 mils thickness. For moisture protection, Rollershield VB must be applied as a continuous barrier of 20 mils dry thickness with no breaks or skips, although some areas will appear lighter than others due to the application process. The Rollershield VB application need not look like a painted surface.

Joint Treatment—Apply a thin layer of Rollershield VB to the joints and embed SuperiorShield Flashing Tape into the wet mixture and trowel smooth.

Rollershield VB may be flashed into window, door and other openings using the same techniques for sheathing applications. Any remaining gaps should be filled with Rollershield VB and Flashing Tape.

Wall Treatment—Apply Rollershield VB to the wall surface using the foam roller, trowel or by spray applying and backrolling to a uniform thickness of 20 mils with no pinholes or voids.

Clean Up-Tools and equipment can be cleaned with soapy water when Rollershield VB is wet.

Limitations

Not for use as an exterior finish, note exposure limitations on front page.

When adhering Rollershield Drainage CIFS® to the surface assure it is clean, dry and free of surface contamination. Remove any dirt or surface contamination before adhesive attachment.

Allowable in-service temperature range: -40° to 180°F (-40° to 82°C).

Fire-retardant or pressure treated plywood must be dry with surface free of salts or other chemicals migrating from within the wood. Test adhesion to be sure of desired results.

Use a slip sheet, typically one layer of building paper between Rollershield-B and stucco or adhered masonry veneer over metal lath.

Spray Application

Rollershield VB is compatible with GRACO and Titan airless spray equipment with the following specifications:

- Minimum 1 gallon per minute output.
- Minimum hose width of 3/8 inch.
- Minimum tip size of 0.027–0.031.

Minimum pressure requirement to spray of 2,000 psi at the gun with an airless sprayer rated no lower than 3,300 psi. Remove all filters in sprayer and gun before application.

Hopper Gun: 3/16"-1/4" (6-6.5 mm) orifice, 23-25 psi.

Hazard: This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).
VOC: Less than 50 g/L.

Approved Substrates

Exterior gypsum sheathing (ASTM C1396)

Glass Fiber Exterior Sheathing (ASTM C1177): Dens Glass Gold®, GlasRoc®, FiberBond®, Gold Bond e2xp®, etc.

Cement Board Substrates (ASTM C1325): Durock®, PermaBase®, ProTEC ®, SelectCrete, Util-A-Crete®, etc.

Concrete

Brick

Masonry

Exterior Plywood

Oriented Strand Board (OSB)

Huber Zip (See Data Sheet for Specifics)

Most metals and PVC

Others approved in writing

Sealant Bond Compatibility**

Master Wall: SuperiorShield SMP

Adfast Corp.: Adseal DWSP1940 Series***, Adseal 4600, Adseal 4580, Adseal 1940

Dow Corning: 795 Silicone**

Pecora Corp.: 864NST, 890NST, 890FTS, 895NSTA, Dynatrol I-XL HybridB

Sika: Silaflex 15 LM***, Silaflex-2C NS*** Master Builders Solutions:

MasterSeal NP1*** Tremco: Dymonic 100***

Most polyurethane sealants**

See Technical Bulletin MW#131 for latest sealant information

**field verify bond (varies)
***Also bonds to SuperiorFlash
[A]With P120 Primer with Rollershield RS & VB
[B]With P120 Primer with Rollershield VB

Warning: KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Safety Data Sheet (SDS) in the Products section at masterwall.com for further health and safety information.

LIMITED WARRANTY
This product is subject to a written limited material or system warranty. Obtain a warranty from the Tech Support tab of our website. Refer to Specifications for more complete information on proper use and handling of this product.

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc.® products and is presented in good faith. Master Wall Inc.® assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc.® for the most current product information. ©2026 Master Wall Inc.®

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