



BARRISEAL

LIQUID APPLIED AIR/VAPOR BARRIER

DESCRIPTION

BARRISEAL is a roller or spray applied, water-based asphalt emulsion modified with a blend of synthetic rubbers and special additives, which cures to form a flexible, monolithic air/vapor barrier for many substrates in cavity wall construction. BARRISEAL-R is a roller grade product. BARRISEAL-S is applied using special spray equipment.

TYPICAL USE

BARRISEAL is designed to be an air barrier, moisture vapor barrier and watershed dampproofing membrane. Typical applications are on concrete, CMU or exterior gypsum structural walls to be covered with an exterior finish wall system. BARRISEAL is ideally suited for those projects where the use of self-adhesive air barrier would be difficult or costly.

ADVANTAGES

- Performs as an air and moisture vapor barrier
- May be applied to green concrete, damp surfaces and exterior gypsum
- Non-flammable, solvent free, isocyanate free
- Excellent elongation and recovery
- Exceptional bonding
- Creates a seamless membrane
- Fast cure

LIMITATIONS

- Should be applied to clean surfaces
- Adjacent areas and surfaces should be protected from contact with the product. **Use wind screens when applying in windy conditions**
- Not intended for long term exposure to sunlight
- Keep from freezing - store above 50°F
- Solvent-based products should not be applied over this product

PACKAGING

BARRISEAL-R roller grade is available in 5 gal. pails.
BARRISEAL-S spray grade is available in 55 gal. drums or 330 gal. totes.
Shelf Life: 6 Months

DCH Fabric:

6" X 324' (162 sq ft), 2 lb. rolls

12" X 324' (324 sq ft), 4 lb. rolls

CCW-705 Window & Door Flashing:

4" X 100' (33.3 sq ft), 6 rolls/carton, 32 cartons/pallet

6" X 100' (50 sq ft), 4 rolls/carton, 32 cartons/pallet

9" X 100' (75 sq ft), 2 rolls/carton, 48 cartons/pallet

12" X 100' (100 sq ft), 2 rolls/carton, 32 cartons/pallet

18" X 100' (150 sq ft), 1 roll/carton, 48 cartons/pallet

24" X 100' (200 sq ft), 1 roll/carton, 32 cartons/pallet

CCW Primer:

CCW-702 Solvent Based Primer, 5-gal. pails, 45/pallet

TECHNICAL DATA

| PROPERTY | ASTM TEST METHOD | RESULTS |
|-------------------------------|------------------|-------------------|
| Color | | Brown to Black |
| Non-Toxic | | No Solvents |
| Elongation | ASTM D-412 | + 1300% |
| Resilience | ASTM D-3407 | 98% (recovery) |
| Moisture Vapor Transmission | ASTM E-96 | 0.01 gm/sq.ft. |
| Perm Rating | ASTM E-96 | 0.02 |
| Shelf Life | | 6 months |
| Residual chloride in concrete | | 133 ppm (0.0133%) |
| Peel adhesion to: | | |
| HDPE film | | 25.4 lb/in |
| Concrete | | 19.7 lb/in |
| CMU | | 22.5 lb/in |
| Dens-Glas Gold | | 2.9 lb/in |

INSTALLATION

Surface Preparation: Surfaces shall be structurally sound, dry, and free of oil, grease, dirt, laitance, curing or release agents and other contamination which may harmfully affect the adhesion of the membrane. Mortar joints on block walls shall be struck flush with block surface.

On poured concrete walls, remove splatters, fins, ridges or other projections to provide a smooth, level surface. Fill tie rod holes, honey combs, rock pockets, spalls or other voids and indentations with non-shrink grout.

Detailing: Install all window, door and through-wall flashings in accordance with Carlisle recommendations.

Brick ledges are addressed by applying an 12" strip of CCW-705 TWF Sheet Membrane over the primed ledge or PRE-KLEENED EPDM. This should be done before spraying the wall and/or ledge. **DO NOT INSTALL BARRISEAL ON BRICK LEDGES.**

Cracks, spalls or metal protrusion areas should be detailed by brush application of BARRISEAL-R ensuring penetration of material into damaged area.

To detail sheathing joints apply 4" wide Carlisle's Window and Door flashing over a primed substrate or use Carlisle's DCH fabric embedded into BARRISEAL roller grade.

DETAILING WITH CARLISLE'S WINDOW AND DOOR FLASHING

Priming: Surfaces to receive CCW-705 Vapor / Air Barrier System must be clean and dry. Concrete, masonry and some exterior gypsum substrates require priming with CCW-702 Primer.

Apply CCW-702 Primer with a long nap roller at 300 to 350 sq. ft. per gallon. *NOTE: On textured surfaces increase the quantity of CCW-702.* At 75°F allow primer to dry 1 hour minimum. Primer has a satisfactory cure when it will not transfer when touched. Prime only areas to be waterproofed the same day. Reprime if area becomes dirty.

Application: Apply CCW-705 Vapor / Air Barrier System in lengths of 8' or less. Overlap edge seams 2-1/2" and end laps 5". Use a suitable roller to press membrane firmly against the wall.

DETAILING USING CARLISLE'S DCH FABRIC

Detailing: Joints are treated by apply a 30 wet mil coat of BARRICOAT-R 3 1/2" on each side of the joint. Embed 6" wide DCH Reinforcing Fabric in it and then apply another 30 wet mil coat of BARRICOAT-R over it.

Metal protrusions should be detailed by brush or trowel application of BARRICOAT-R.

Ensure penetration and the 3-inch surrounding substrate is coated a maximum of 60 mils.

Inside and outside corners should receive a 60-mil detail coat of BARRICOAT-S or BARRICOAT-R, centered on the corner and extending 6" in each direction. Inside corners should be reinforced as described above for joint.

BARRISEAL APPLICATION

Priming: No priming is necessary with this product.

Application: BARRISEAL-R is applied using a short nap roller or brush. Apply membrane to the vertical and horizontal surfaces, including over all previously detailed areas at a rate of approx. 31 sq. ft./gal. (40 dry mils). This is accomplished by 2 passes at approx. 20 mils each. Apply BARRISEAL-S with approved spray equipment in one coat at a rate of approx. 31 sq. ft./gal. (40 dry mils), starting at the base of the wall and working upwards.

Apply membrane to the vertical and horizontal surfaces, including over all previously detailed areas.

There are two ways to spray the BARRISEAL to achieve the desired thickness. Slow passes with the spray gun will build the desired thickness in one pass. However,

quicker spraying and more passes has an advantage. It allows a more consistent coverage rate of material. Care should be taken not to trap moisture between layers of membrane. If there is a delay between passes, wait until the surface moisture has left the wall.

Always spray with the spray gun perpendicular to the surface being coated. Reduce the possibility of thin spots. Use a perpendicular spray pattern to cover all these areas and ensure a uniform, consistent coat.

As this is a water-based emulsion, caution should be exercised when spraying in cold temperatures. Emulsion temperature should be 50°F minimum.

WARNINGS AND HAZARDS

Use only in areas with adequate ventilation. *Refer to MSDS for important warnings and product information.* CCW-702 and CCW-704 contain flammable and combustible solvents. Avoid exposure to open flame. Avoid breathing vapors. Use only in areas with adequate ventilation. *Refer to MSDS for important warnings and product information.*

STORAGE

Store material in areas above 50°F. Protect from freezing in shipping and storage. Protect materials from excessive heat or cold. Store away from open flames, sparks or welding. For outside storage, protect cartons from rain, direct sunlight or other harmful environmental conditions. Consult with Carlisle representative for extreme high or low temperatures.

LIMITED WARRANTY

CARLISLE COATINGS & WATERPROOFING INCORPORATED (CARLISLE) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any CARLISLE materials prove to contain manufacturing defects that substantially effect their performance, CARLISLE will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by CARLISLE with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. CARLISLE specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of CARLISLE's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the CARLISLE material in question.