



BARRICOAT-S

SPRAYABLE RUBBERIZED MEMBRANE SYSTEM

DESCRIPTION

BARRICOAT-S is a water-based, asphalt emulsion modified with a blend of synthetic rubbers and special additives. It cures rapidly to a, monolithic, highly flexible membrane.

TYPICAL USE

BARRICOAT-S is designed to be a water proof and vapor barrier membrane. This membrane can be applied to concrete, CMU, wood, and metal. Useful for a variety of applications including decks, foundation and retaining walls.

ADVANTAGES

- Performs as a vapor and water barrier.
- May be applied to green concrete, damp surfaces and EPS forms.
- Non-flammable, solvent free.
- Excellent elongation and recovery.
- Good tensile strength.
- 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.
- 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

BARRICOAT-S spray grade is available in 55 gal. drums or 330 gal. totes.

BARRICOAT-R roller grade is available in 5 gal. pails .

Shelf Life: 6 Months

INSTALLATION

Surface Preparation: All surfaces should be free of ponding water, loose materials, release oils and other contaminants. These should be removed prior to application by power washing or other suitable methods.

Fill honeycomb and voids with a non-shrink grout or fill flush with Barricoat-R.

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

Cracks, spalls or metal protrusion areas should be detailed by brush or trowel application of BARRICOAT-R ensuring penetration of material into damaged or cracked area. Moving cracks and all cracks over 1/16" in width are treated by applying a 30 wet mil coat of BARRICOAT-R 3" on each side of the cold joint. Embed 6" wide DCH Reinforcing Fabric in it and then apply another 30 wet mil coat of the BARRICOAT-R over it.

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 cold joints.

TECHNICAL DATA

PROPERTY	ASTM TEST METHOD	RESULTS
Color		Brown to Black
Non-Toxic		No Solvents
Cured Film Thickness	55-60 mils (20 sq. ft/gal.)	
Initial Cure		10 minutes
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 Valeron film		25.4 lb/in
Peel adhesion to CCW-500		11.7 lb/in
Peel adhesion to concrete		19.7 lb/in
Peel adhesion to CMU		22.5 lb/in
Peel adhesion to Dens-Glas Gold		2.9 lb/in
Peel adhesion of CCW-500 to Barricoat-S		28.2 lb/in

Penetrations should be reinforced and treated. Using a brush or trowel, apply a 30 wet mil coat of BARRICOAT-R in a 6" radius around the penetration and 3" onto penetration. Embed 6" wide DCH Reinforcing Fabric into the first coat and then apply a second 30 wet mil coat over the fabric.

Brick ledges are addressed by applying an 12" strip of CCW-705 TWF Sheet Membrane over the ledge and extend it 3" min. up the wall and down the wall. This should be done before spraying the wall and/or ledge.

Priming: No priming is necessary with this product.

Vertical Application: Block or brick walls shall have mortar joints struck flush. A parget coat may be required for very rough surfaces. When spraying a block wall it is recommended to cut the catalyst water spray back by using only one nozzle. This will aid in the filling of the pores in the block by slowing the setting time. Spray at a pressure around 900-1000 psi to a minimum of 60 dry mils (approx. 20 sq. ft./gal.). Rough or porous surfaces may require more material.

Always start spraying at the footers and work your way up the wall to grade line. Extra passes should be made at the footer to ensure a good coat in the angle change area. Spraying from bottom to top allows the catalyst water to drain down the wall onto the sprayed wall as opposed to the bare wall, which can delay the full bonding of the membrane to the surface.

Note: When spraying vertical surfaces, spray a pattern no more than 6 feet wide.

Horizontal Application: When spraying horizontal surfaces, it is sometimes necessary to reduce the flow of catalyst water as much as possible. This is done by reducing the flow using the ball valve at the gun handle. Reduce the flow as much as possible but still maintain a fan just wider than that of the spray emulsion fan. Spray at a pressure around 1,000 psi or as close to 1,000 psi as possible without causing excessive over spray.

Always spray from lowest to highest point on the horizontal field and spray horizontal field prior to vertical at transition points.

Apply membrane to the vertical and horizontal surfaces, including over all previously detailed areas at a rate of approx. 20 sq. ft./gal. (60 dry mils).

Vertical and Horizontal Reinforced System: Spray 60 mils of membrane and apply BARRICOAT Reinforcing fabric. After surface water has left, apply an additional 60 mils of membrane.

For horizontal applications, use the method as described above.

There are two ways to spray the BARRICOAT-S 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. This reduces the possibility of missing an area by spraying at an angle and missing the outside edge. A perpendicular spray pattern will cover all these areas and ensure a uniform, consistent coat.

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

Vertical Protection: Ensure that the surface has completely dried before installing the CCW Protection Board or CCW MiraDRAIN Drainage Composite. Once the surface has dried, apply DrainGrip spray adhesive to the surface and then adhere the protection course. Adhesive may not be required in warm weather.

Horizontal Protection: The membrane must be protected from damage. Install CCW MiraDRAIN or CCW Protection Board immediately following the flood test. Install 8 mil Elephant Skin to the protection course to provide easy future access to the membrane.

WARNINGS AND HAZARDS

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.

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.