



THE EUCLID CHEMICAL COMPANY

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WATER BARRIER ASPHALT COATINGS



**PRIMER, HYDROBAN, FOUNDATION COATING,
Brush Grade or Trowel Mastic**

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WATER BARRIER ASPHALT COATINGS are heavy bodied bituminous compounds that are applied to structures as a permanent barrier to water under pressure and as protection against the erosive effect of running water. All Euco formulations contain additives which assure proper adhesion to damp or green concrete and masonry surfaces.

PRIMARY APPLICATIONS

HIGH PENETRATION ASPHALT PRIMER

- Primer application for cast concrete and masonry units

HYDROBAN

- Above grade waterproofing prior to application of plaster and stone backing materials
- Below grade waterproofing of structural walls

FOUNDATION COAT-Brush Grade

- Waterproofing below grade structural and foundation walls
- Copings, retaining walls, ramps, silos, and steam rooms
- Rough and uneven surfaces where troweling would be difficult

FOUNDATION COAT-Trowel Mastic

- Waterproofing below grade structural and foundation walls
- Copings, retaining walls, ramps, silos and steam rooms

FEATURES / BENEFITS

- Economical water barrier
- Ready to use, requires no heating or thinning
- Will withstand temperature changes
- Bonds tightly to damp surfaces
- Not affected by alkali, acid or organic matter in soils
- Does not sag or flow on walls
- Excellent bond to block and concrete

PACKAGING

All WATER BARRIER ASPHALT COATINGS are available in 55 gal (208 liter) drums and 5 gal (18.9 liter) pails.

TECHNICAL INFORMATION

Typical Engineering Data

HIGH PENETRATION ASPHALT PRIMER:

Non-volatile, % by weight 52
Flash Point(tag open cup) 100°F (38°C)
V.O.C.: 410 g/l

HYDROBAN:

Specifications:
Asphalt Residue, in % 55+
Stone Coating Test meets criteria
Cement Mixing Test in % 2.0-
Oil Distillate, in % 2.0-
Withstands Freezing to -10°F (-23°C)
V.O.C.: 0 g/l

FOUNDATION COAT, BRUSH GRADE:

V.O.C.: 280 g/l

FOUNDATION COAT, TROWEL MASTIC:

V.O.C.: 250 g/l

Shelf life is 1 year in original, unopened package.

SPECIFICATIONS / COMPLIANCES

- HIGH PENETRATION ASPHALT PRIMER complies with Federal Specification SS-A-701, ASTM D-41 and AASHTO M-116.
- HYDROBAN complies with ASTM D-1227 Type III.
- FOUNDATION COAT-Brush Grade complies with Federal Specification SS-A-694D and ASTM D-2823 Type II.
- FOUNDATION COAT-Trowel Mastic complies with Federal Specification SS-A-153C Type I and ASTM D-2822.
- These products meet V.O.C. contents in accordance to EPA 40 CFR Part 59 Table I Subpart D for Bituminous Coatings and Mastics with a maximum V.O.C. content of 500 g/l.

Appearance-All WATER BARRIER ASPHALT COATINGS are black.

HIGH PENETRATION ASPHALT PRIMER is a low viscosity product for power spray or brush application.

HYDROBAN is a medium viscosity emulsion for brush application.

FOUNDATION COAT-Brush Grade is a heavy (high) viscosity cut back asphalt for brush or airless sprayer application.

FOUNDATION COAT-Trowel Mastic is an extra heavy cut back asphalt paste for trowel application.

DIRECTIONS FOR USE

Surface Preparation-The block or concrete must be clean and sound. All oil, dirt, debris and unsound materials must be removed. The surface must be prepared mechanically using wire brush, scraping or chipping. The final step in cleaning should be the complete removal of all residue with a vacuum cleaner or pressure washing.

All block and concrete should possess an open surface texture with all curing compounds and sealers removed.

Repair all cracks and holes with DAM-IT (available from The Euclid Chemical Company).

Bonding-All concrete and block must be primed with HIGH PENETRATION ASPHALT PRIMER.

Note: Always allow the prime coat to dry at least one day prior to application of the WATER BARRIER ASPHALT COATINGS.

Mixing-All WATER BARRIER ASPHALT COATINGS are ready to use and require no pre-mixing.

Placement-Brush or trowel asphalt on the surface to be waterproofed in a continuous unbroken film, free from pinholes and other surface breaks. Carry asphalt over the tops and edges of footings, parapets, etc. and work thoroughly into all grooves and joints. One coat of FOUNDATION COAT Trowel Mastic or two coats of FOUNDATION COAT Brush Grade or HYDROBAN are usually sufficient for waterproofing below grade where there is no hydrostatic head. One coat of FOUNDATION COAT Brush Grade or HYDROBAN is usually sufficient for waterproofing above grade. Where hydrostatic heads are anticipated FOUNDATION COAT plus heavy duty fiber mesh must be used.

FOUNDATION COAT (trowel mastic) must be applied at the rate of 5 gal/100 ft² (2 liter/m²). All corners and angles should be reinforced with an 8" (203 mm) strip of heavy duty glass fiber mesh. Embed full width glass mesh into the asphalt base coat with firm trowel or brush pressure forcing the asphalt through and around the

glass strands. Each succeeding glass strip should overlap the preceding one 4" (102 mm) and the roll ends of the glass mesh should overlap 8" (203 mm).

When additional plies of glass mesh are required, apply another coat of asphalt at the same rate of 5 gal/100 ft² (2 liter/m²) and then embed the succeeding ply. Final application of FOUNDATION COAT (trowel mastic) should be made at the rate of 3 gal/100 ft² (1.2 liter/m²). All subgrade foundation waterproofing should be properly protected before back fill operations commence. Final coating of asphalt should be set so that it cannot be dented by finger pressure.

RECOMMENDED MATERIAL QUANTITIES FOR HYDROSTATIC SHIELD

Hydrostatic Head	Glass Plies	Foundation Coating gal/100ft ²	Glass Mesh per 100ft ²
0-5 ft (0-1.5 m)	1	8 (3.3 L/m ²)	108 ft ² (10.0 m ²)
5-15 ft (1.5-4.6 m)	2	3 (5.3 L/m ²)	216 ft ² (20.1m ²)
15-30 ft (4.6-9.1 m)	3	18 (7.3 L/m ²)	324 ft ² (30.1m ²)

COVERAGE

HIGH PENETRATION ASPHALT PRIMER:

1 application - 1/2 gal/100 ft² (0.2 liter/m²)

HYDROBAN:

1 or 2 applications-1 gal/100 ft² (0.4 liter/m²) per coat

FOUNDATION COAT, Brush Grade:

1 or 2 applications-1 to 1 1/2 gal/100 ft² (0.4-0.6 liter/m²) per coat

FOUNDATION COAT, Trowel Mastic:

1 or 2 applications-4 to 5 gal/100 ft² (1.6-2.0 liter/m²) per coat (at 1/16" (1.6 mm) film thickness)

PRECAUTIONS / LIMITATIONS

- Keep all asphalt away from heat or flame.
- Protect HYDROBAN from freezing.
- Keep repair from freezing until a minimum age of three days is reached.

Form Water Barrier Asphalt Coatings-9.99

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