

HydraFlash Modified Asphalt Flashing

Description

HydraFlash is a modified asphalt flashing composite material that is 40 mils thick. HydraFlash is made of a strong 8 mil polypropylene film laminated to a 32 mil flexible rubberized asphalt adhesive backing. Strong bonding to a variety of substrates is achieved by using a primer adhesive. HydraFlash provides a water and vapor-proof barrier over a variety of substrates. Penetrations by fasteners into the substrate are sealed against leakage.

Typical Use

HydraFlash is used as a flashing material on masonry surfaces, concrete surfaces, head and sill flashing, around windows, doors, penetrations and construction gaps. HydraFlash is also used in conjunction with AirGuard 0727 to form an air barrier assembly in exterior wall assemblies.

Advantages

- Fast application rates for low labor cost
- Reduces building energy cost
- Combination air, vapor and water barrier
- Bonds to CMU, plywood, OSB, concrete, insulation board and most other construction materials
- Provides a rubber like membrane
- Seals around fasteners
- Fully bonds to self for continuous protection
- Tough laminated protection film minimizes construction damage
- Easy to remove release paper
- Long service life

Limitations

- Do not leave exposed to UV light
- Apply only to dry and clean surfaces

Installation

Surface Preparation

Allow concrete to cure for seven days prior to application. Substrate must be clean, dry and free of dust, debris, frost, and release agents. Surface shall be smooth and free of sharp protrusions.

Priming

All porous surfaces such as concrete wood, masonry and sheathing must be prepped with Applied Technologies VOC Primer before applying HydraFlash. Primer is ready to adhere the HydraFlash when it is tacky but will not transfer when touched. Drying times vary with temperature, humidity, porosity and wind.

Application

Precut HydraFlash to fit each location. Use a utility knife to perform cutting. Make all cuts clean and straight to help ensure a good overlap joint. Remove the release paper and position HydraFlash over the bed of primer. Press HydraFlash into primer starting at one end, being sure to keep straight. Overlap adjoining pieces 2" minimum. Press into primer bed with steel roller.

Seal overlaps and end seams with Membrane Mastic. Do not put mastic in between layers of HydraFlash. Cut and fold HydraFlash to form end dams at window sills and heads and to detail inside and outside corners. Seal seams with Membrane Mastic. Seal vertical terminations with Membrane Mastic.

See architectural details for proper installation sequence for shingle effect.

Physical Properties

Property	Description
Color	Black asphalt, white film
Thickness	40 mils (0.040") total
Minimum Application Temp.	25°F

Technical Data

Property	Test Method	Results
Elongation	ASTM D-412	330%
Tensile Strength	ASTM D-412	450 psi
Puncture Resistance	ASTM E-154	45 lbs min.
Peel Strength	ASTM D-903	7.9 lb/in width
Lap Adhesion	ASTM D-1876	7.5 lbs/in width
Water Absorption	ASTM D-570	0.12% by weight
Air Leakage	ASTM 283	<0.004 CFM/ft ² @ 0.3" water
Water Leakage	ASTM E-331	Pass
Wind Loading	ASTM E-330	Pass
Water Vapor Permeance	ASTM E-96	not more than 0.02 perm
Air Permeance	ASTM E-2178	<0.009 L/s*m ² @ 75 Pa

Packaging

6" x 75' rolls, 6 rolls/box
12" x 75' rolls, 3 rolls/box

A-Tech VOC Primer: 5 gallon pails

Membrane Mastic: 2 gallon pails

Warranty

Applied Technologies warrants that the product is free of manufacturing defects and conforms to published specifications in force on the date of acceptance by "the company" of the order. Applied Technologies shall only be held liable under this warranty if the material has been stored, used and applied in accordance with Applied's instructions in the products technical data sheet.

If Applied Technologies, in its sole discretion determines that the product breached the above warranty it will in its sole discretion replace the non-conforming product, refund the purchase price or issue a credit to the buyer of the product. The dollar value of Applied's liability and the buyer's remedy under this limited warranty shall not exceed the purchase price of the material in question. This is the only warranty extended by Applied. There are no other warranties including implied warranties of merchantability and fitness for a particular use and purpose. Applied 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.

THE FOREGOING WARRANTY SHALL BE EXCLUSIVELY AND IN LIEU OF AN OTHER WARRANTY, EXPRESS OR IMPLIED INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE AND PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OR DEALING, CUSTOM, TRADE OR OTHERWISE

