HydraFlash/HydraFlash-TWF

I. Where to Use

A. HydraFlash/HydraFlash-TWF is a laminated modified asphalt membrane used for transition membranes (such as around window and door openings) and on the exterior face of the inner course of cavity wall assemblies (such as transitions for foundation to wall areas, widow and door openings and wall to roofing membrane transitions) to prevent air, water and vapor transmission to the interior of the building. Suitable substrates are concrete block, exterior sheathing boards, concrete, pre-cast concrete, plywood, OSB and metal.

Typical areas of use are:

HydraFlash;
1. Window and door openings
2. Construction joints and gaps

HydraFlash-TWF;
1. Window and door openings
2. Construction joints and gaps
3. Thru-wall flashing
4. Transition sheet between air barrier membrane and roofing membrane

B. HydraFlash/HydraFlash-TWF is used in conjunction with AirGuard 0727 to form an air barrier in exterior wall assemblies.

II. Site Conditions

A. Substrate surfaces must be dry, clean and free of standing water, dust, dirt, loose material, frost, ice, snow, fins, wires and metal projections and any other substance that can prevent a continuous placement of HydraFlash/HydraFlash-TWF or cause damage to the applied membrane

B. On masonry walls, mortar joints shall be filled and struck flush without any loose mortar. Any voids shall be filled with non-shrinking grout and allowed to cure before application

C. Concrete shall be cured 7 days minimum prior to application

D. Use when temperatures are above 25^0 F.

III. Materials

A. HydraFlash is a self adhering air and vapor barrier membrane that is 40 mils thick. 32 mils of flexible rubberized adhesive asphalt is laminated to 8 mils of high density polypropylene film. HydraFlash is used as a transition and conforming membrane around window and door openings and construction joints and gaps.

B. HydraFlash-TWF is a self adhering air and vapor barrier membrane that is 40 mils thick. 28 mils of flexible rubberized adhesive asphalt is laminated to 12 mils of high density polyethylene film. HydraFlash-TWF is used as transition membrane between foundation and wall assemblies, head and sill thru-wall flashing and transtitions between roof and wall air barrier assemblies.

C. Applied Technologies Membrane Mastic is used to seal vertical terminations and overlap seams.
E. A-Tech VOC Primer is applied by roller or brush to the substrate. Primer must be used to adhere HydraFlash/HydraFlash-TWF to the substrate. Apply HydraFlash/HydraFlash-TWF once primer is tacky but will not transfer to the touch.

F. Applied Technologies CG-400 Heavy Duty Spray Adhesive is applied to substrates as a primer. Apply HydraFlash/HydraFlash-TWF once adhesive is tacky but will not transfer to the touch.

IV. Detail Work

A. Install HydraFlash/HydraFlash-TWF transition and thru-wall flashing to achieve a shingle effect. Prior to installation of HydraFlash/HydraFlash-TWF, apply a coat of A-Tech VOC primer and allow to cure fully before application. Curing is complete when primer is tacky but will not transfer to the touch.

B. Cut HydraFlash/HydraFlash-TWF to size prior to installation. Remove release paper as membrane is installed. Overlap edges and seams 2" minimum.

C. Use transition membranes to tie in and seal windows, doors, colums, roof and floor intersections, and foundation to wall transitions. When using HydraFlash-TWF as thru-wall flashing, cut back 2" from exterior edge of facing. Install drip edge at foundation-wall transition.

D. Roll HydraFlash/HydraFlash-TWF into primer bed to remove air pockets and ensure proper adhesion to substrate. Seal all penetrations, lap joints and with Membrane Mastic. Secure vertical terminations by one of two methods; 1) turn HydraFlash-TWF into ½" reglet. 2) Secure with termination bar.

E. Repair any tears or punctures prior to covering with exterior facing. Extend repair material 4" minimum past tear or puncture and seal edges with Membrane Mastic.

VII. Membrane Protection

A. Protect HydraFlash/HydraFlash-TWF from damage by other trades and subsequent construction. Do not leave HydraFlash/HydraFlash-TWF exposed to UV light for more than 30 days. Insulation and protection products can be applied after membranes have cured.