3M Industrial Adhesives and Tapes Division
3M Center, Building 0220-05E-06
St. Paul, MN 55144-1000

January 19, 2014

The particular underlayment specified is critical to the performance of the adhesive-set tile system. The underlayments must be tested to confirm compatibility with the adhesive. The following lists the underlayment manufacturers and the related products that have completed the long-term heat and humid aging test required by 3M and ICC-ES Acceptance Criteria - AC152 meeting the minimum tensile strength requirement of 10 psi. This should not be considered as an endorsement, or a recommendation for any of the underlayments or membranes, but simply a statement that the underlayments/membranes are compatible with the use of the 3M™ 2-Component Foam Roof Tile Adhesive AH-160.

NOTE #1: Self-adhered underlayments provide higher wind uplift resistance for roof tile applications than a single-layer mechanically attached underlayment. The dynamic action of a mechanically attached underlayment creates a tear effect of the cohesive bond between the adhesive paddy and the underlayment. Therefore, the usage of all single-layer mechanically attached approved underlayments listed below used with 3M adhesive-set system is restricted to areas where basic wind speeds are ≤ 100 mph). The single-layered mechanically attached approved underlayment systems listed below are also restricted to slopes 6:12 and below. Additional tile fastening requirements or battens are required for slopes over 6:12.

Note #2: Any Mineral Surfaced Roll Roofing meeting ASTM D249 or ASTM 6380 or Modified Bitumen Underlayment meeting ASTM D6162, D6163, D6164 where our adhesive is bonding to a granular walk surface and passes the granular adhesion test in ASTM D4977 of 1 gram maximum weight loss of granules is allowed.

Note #3: Any Florida Building Code Evaluation Report, ICC-ES Evaluation Report or Metro Dade County N.O.A. approved underlayment that specifically lists use of adhesive-set systems is also approved.

3M Approved Underlayments and Cap Sheets

Polyglass USA, Inc. - Polystick TU; Polystick TU Plus; Polystick TU P; Polyflex SAP; Polyflex G; Tile Pro, TU Max

Protecto Wrap Company - Rainproof 40; Rainproof 60; Rainproof 120

GAF-Elk - UnderRoof™ 2

CertainTeed - Flintlastic® SA Cap (with ASTM D41 Primer); Flintlastic® SA Cap (with FlintPrime SA Primer); Flintlastic® GMS; Flintlastic® Premium GMS; Flintlastic® FR-P; Flintlastic® Premium FR-P; Flintlastic GTA

3M Approved Underlayments and Cap Sheets "Continued"

InterWrap, Inc. – Titanium PSU-30; Titanium UDL-30

Kirsch Building Products, LLC - Sharkskin Ultra™; Sharkskin Ultra™ SA

NEI - "TileSeal"

Owens Corning - WeatherLock® Metal; WeatherLock® Specialty Tile and Metal

Boral Roofing - TileSeal, GatorSeal HT

TARCO Roofing - Leak Barrier PS 200 HT Self-adhering Underlayment, Easy Mop

MFM Building Products – STS™ Underlayment

Mule-Hide Products Co., Inc. – Mule-Hide SA-APP Cap Sheet; Mule-Hide SA-APP Cap Sheet (FR)

Atlas Roofing Corporation - WeatherMaster TU Ultra

Commercial Innovations, Inc. – Viking UDL MT

Soprema, Inc. – Colphene FR GR; Unilay E

The Garland Company – HPR TAM Shield

BITEC, Inc. – MAT-40

IMETCO – DryDek

TREMCO – POWERply SA FR

Mid-States Asphalt & Cant Strip, Inc. – Quik-Stick HT

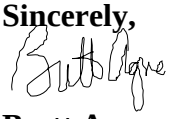
Nordic Waterproofing, Inc. – RoofAquaGuard MT-HT

Eagle Roofing Products Florida, LLC – Eagle Seal™ Underlayment HT

Tag & Stick, LLC – Tag &Stick MTP

This list will be upgraded as data is submitted to 3M.

Sincerely,



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