



**August 22, 2011**

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 Polyfoam and ICC-ES Acceptance Criteria - AC152 meeting the minimum tensile strength requirement of 15 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 Polyset® AH160 Roof Tile Adhesive.

**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 Polyfoam Products adhesive-set system is restricted to areas where basic wind speeds are  $\leq 100$  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.**

### **Polyfoam Products Approved Underlayments and Cap Sheets**

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

**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**

**Polyfoam Products 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

**MonierLifetile** - MLT TileSeal™

**TARCO Roofing** - Leak Barrier PS 200 HT Self-adhering Underlayment

**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

This list will be upgraded as data is submitted to Polyfoam Products, Inc.

Sincerely,



**Riku Ylipelkonen**  
Manager of Technical Services