

Approved Underlayments and Cap Sheets List

May 14, 2021

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 ICP 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 Polyset® AH-160 and Polyset® RTA-1.

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 compatible underlayments listed below used with Polyset adhesive-set system is restricted to areas where basic wind speeds are ≤ 100 mph). The single-layered mechanically attached compatible 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 Miami-Dade County N.O.A. that specifically lists the use of adhesive-set systems is also allowed.

Note # 4: Although an UNDERLAYMENT may be listed as being compatible with the Polyset® AH-160 and/or Polyset® RTA-1 it is the contractor/installer's responsibility to verify that the particular underlayment being selected meets or exceeds the required design pressures for each particular application as published by ASCE 7-16 and found within the Florida High Wind Concrete and Clay Tile Installation Manual 6th Edition.

APOC – FT³ Tile Underlayment, Eagle Armor

Atlas Roofing Corporation - WeatherMaster TU Ultra

BITEC, Inc. – MAT-40

Boral Roofing - TileSeal HT

CertainTeed - Flintlastic® SA Cap; Flintlastic® GMS; Flintlastic® Premium GMS; Flintlastic® FR-P; Flintlastic® Premium FR-P; Flintlastic GTA

Epilay Inc. – PlyStik Plus, Protectite Platinum

GAF-Elk - UnderRoof™ 2

G.A.P. Roofing – WaterGuard Self-Adhered TileGuard HT, Tile Underlayment

The Garland Company – HPR TAM Shield

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

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

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

Mule-Hide Products Co., Inc. – Mule-Hide SA-APP Cap Sheet; Mule-Hide SA-APP Cap Sheet (FR); Shur-Gard TU Force HT

Owens Corning - WeatherLock® Specialty Tile and Metal

Polyglass USA, Inc. - Polystick TU; Polystick TU Plus; Polystick TU P; Polyflex SA P; Polyflex G; Tile Pro, TU Max, Elastoflex S6 G

Protecto Wrap Company - Rainproof 40; Rainproof 60

Sentry Building Innovations – LapLock™ PSU

Soprema, Inc. – Lastobond TU HT

Tag & Stick, LLC – Tag &Stick MTP

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

TREMCO – POWERply Endure 100 FR, POWERply Standard FR

TRI-BUILT Materials Group, LLC – TRI-BUILT S/A TA HT

This list will be upgraded as data is submitted to ICP Building Solutions Group, Inc.



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