



## Superior tile attachment.

2-Component Roof Tile Adhesive  
Polyset® AH-160

2-Component Roof Tile Adhesive Polyset® AH-160 is the professional roofer's complete solution for concrete or clay roof tile attachment. 2-Component Roof Tile Adhesive Polyset® AH-160 is a polyurethane adhesive that adheres each individual tile in place. It can be used without mechanical fasteners so it won't puncture the waterproofing membrane or roof deck. 2-Component Roof Tile Adhesive Polyset® AH-160 has superior holding power compared to nails, screws, mortar and wire tie systems.

- Improves energy efficiency
  - exceeds all current energy codes
  - reduces attic heat buildup
  - does not restrict color selections to reflective tile colors; greater color choices
- Virtually eliminates nail penetrations
- Eliminates the need for elevated or counter battens
- Increases wind resistance by 50-100% compared to nails, screws, mortar, counter/elevated batten or wire tie systems
- Minimizes tile installation damage associated with mechanical fasteners
- Superior hip and ridge attachments
- Ideal for use on schools and other essential facilities
- Easy to repair
- Cost effective compared to wire tie systems and counter/elevated batten systems



**Greener?  
Yes!**

- Thermal resistance (up to 4.4 R-value)
- Exceeds Title 24 energy code
- VOCs less than 5 g/L (SCAQMD Rule 1168 Compliant)

### **Approvals**

- ICC-ES
- DSA IR 15-2
- Class A rated, ASTM E-108
- TRI approved
- Miami-Dade County
- Florida Building Code
- Texas Dept. of Insurance Evaluation

# The professional



## Secure attachment

When first applied, 2-Component Roof Tile Adhesive Polyset® AH-160 is in a gel-like state, allowing it to flow into all the surface irregularities of the deck and tile. The end result is a strong bond between the tile and the roof. The tiles are effectively glued to the roof. Should a single tile crack or get knocked loose by airborne debris, the adjacent tiles remain firmly in place.

## Zero penetrations

Each nail or screw used in a traditional tile roof penetrates the waterproofing membrane and roof deck. Each penetration is a leak just waiting to happen. Because tiles on a 2-Component Roof Tile Adhesive Polyset® AH-160 roof are adhered and not mechanically fastened, the roof deck integrity isn't compromised.

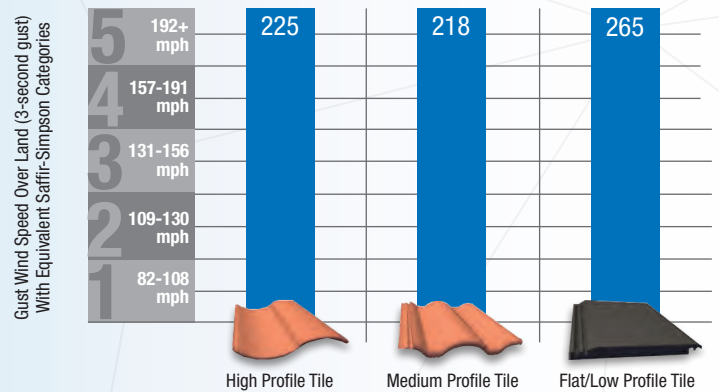
*Drastically reduced potential for leaks.*

## A stronger tile support system

The foam paddy in a 2-Component Roof Tile Adhesive Polyset® AH-160 roof acts like a cushion and provides added support underneath the tile, enhancing its load-bearing characteristics.

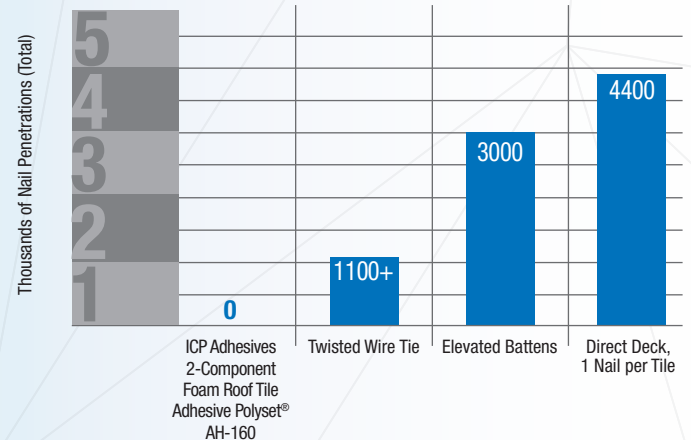
*Up to 80% stronger.*

## Hurricane Category Comparison



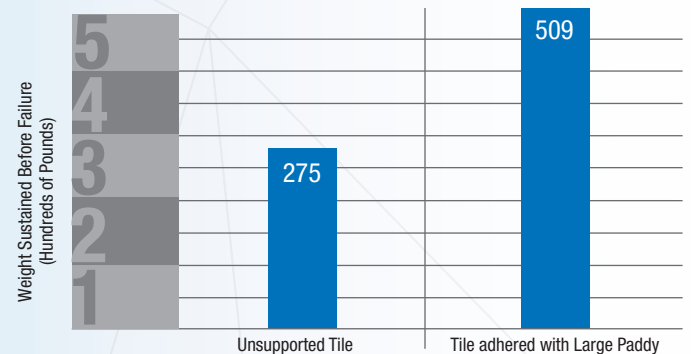
ASCE 7-10 Wind Design Standard. Exposure C, 30 foot mean roof height, Importance factor 1.00, High Profile based on a tile factor of 1,407, 2:12 to 6:12 slope, gable/hip roofs.

## Number of Membrane Penetrations



Based on 50 square roof, at 88 pieces per square, on a 4:12 pitch.

## Break Strength Comparison



Tested in accordance with ASTM C 1492-03 and performed with low profile, lightweight tile.

# roofer's complete system.



## Ideal applications

- High wind environments
- Non-nailable decks
  - Concrete
  - Metal
  - Insulation/gypsum board
- Low or steep slopes
- Roofs needing increased thermal performance
- Concrete, clay and especially lightweight tiles that require enhanced walkability




## Qualified applicators

Only specially trained applicators and crews are allowed to install a 2-Component Roof Tile Adhesive Polyset® AH-160 roof. Once the training program is successfully completed, an applicator is awarded 'Qualified Applicator' status and issued an individual ID card. The card adds credibility and value, as it is verification your crew is well-versed in the proper installation methods. Contact your local ICP Adhesives representative and get qualified today.

## Product yields—installed tiles per package\*\*

Portable, self-contained dispensing kits are pre-calibrated from the factory.



Dimensions	Paddy Sizes	ProPack 30	ProPack 100	17 Gallon Cylinders	60 Gallon Cylinders
(1) Min. 2" X 7"	 Medium	400	1,295	4,384	17,236
(1) Min. 2" X 10"	 Large	222	719	2,436	9,576
(1) Min. 2" X 10" (2) Min. ea. 1" X 10"	 Two Piece	353	1,143	3,868	15,208

\*\* These figures represent optimal scenarios. Actual package yields may vary and are subject to differences in tile profile, dimensions and manufacturer.

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