

# ***SUPERIOR TILE ATTACHMENT***



# ***POLYSET***<sup>®</sup>

***Professional Tile Roofing Attachment System  
AH160 Two-Component Polyurethane Foam Roof Tile Adhesive***



***POLYFOAM PRODUCTS, INC.***  
*A 3M Company*



Polyset® is the professional roofer's complete solution for concrete or clay roof tile attachment. Polyset® is a patented 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. Polyset has superior holding power compared to nails, screws, mortar and wire tie systems.

- ◇ Improved energy efficiency
  - exceeds all current energy codes
  - reduces attic heat buildup
  - not restricted to reflective tile; greater color choices
- ◇ Nail penetrations virtually eliminated
- ◇ Eliminates the need for elevated or counter battens
- ◇ 50-100% greater wind resistance 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, counter/elevated batten systems



### APPROVALS

ICC-ES

DSA IR 15-2

City of Los Angeles Department of  
Building and Safety (LARR)

Class A rated, ASTM E-108

TRI approved

Metro-Dade County

Florida Building Code

Texas Dept. of Insurance Evaluation

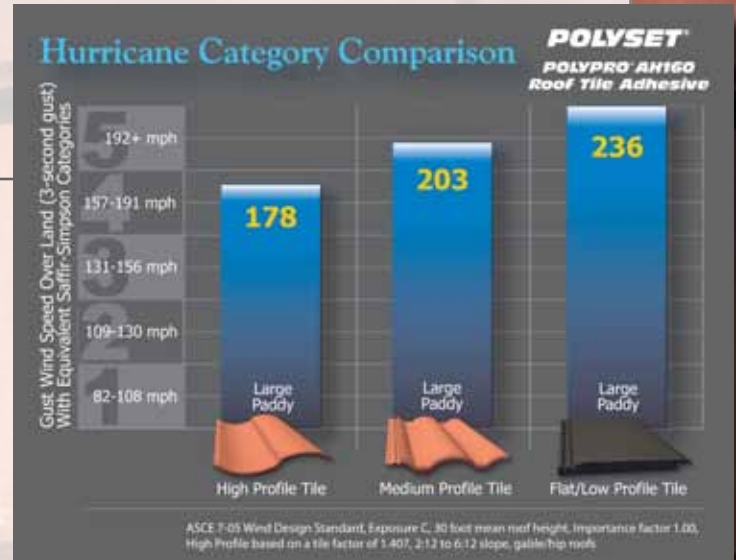
## Green? Yes!

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

## SECURE ATTACHMENT

When first applied, the Polyset® AH160 foam 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, chemical 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.

**178 MPH AND HOLDING.**



## Number of Membrane Penetrations



## ZERO PENETRATIONS

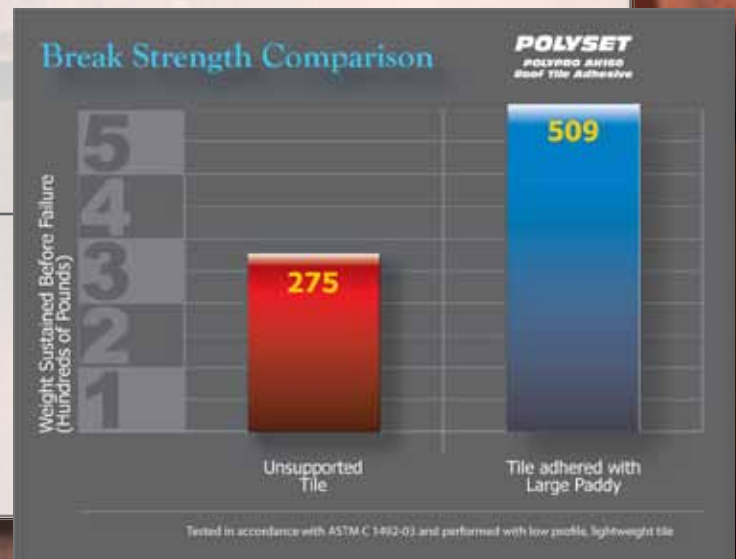
Each nail or screw used in a traditional tile roof penetrates the waterproofing membrane and roof deck. Each penetration is a leak just waiting to happen. Because tiles on a Polyset® roof are adhered and not mechanically fastened, the roof deck integrity isn't compromised.

**DRASTICALLY REDUCED OPPORTUNITIES FOR LEAKS.**

## TILE SUPPORT SYSTEM

The foam paddy in a Polyset® roof acts as a cushion and provides added support underneath the tile, enhancing its load bearing characteristics.

**UP TO 80% STRONGER.**



## IDEAL APPLICATIONS

- ◇ High wind attachment
- ◇ Non-nailable decks
  - Concrete
  - Metal
  - Insulation/gypsum board
- ◇ Walkability enhancement for all concrete, clay and especially lightweight tiles
- ◇ Low slope or steep slope
- ◇ Roofs needing increased thermal performance

## QUALIFIED APPLICATORS




Only specially trained applicators and crews are allowed to install a Polyset® roof. Once the training program is successfully completed, an applicator is awarded 'Qualified Applicator' status and is 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 Polyfoam representative and get qualified!

## Product Yields - Installed Tiles per Package\*

Portable, self-contained dispensing kits pre-calibrated from the factory. Just unpack and go.

**Go green!** Returnable, refillable cylinders. Environmentally responsible.



Paddy Sizes	ProPack 30	ProPack 100	17 Gal. Cylinders	60 Gal. Cylinders
 Medium	500	1619	5481	21,546
 Large	250	809	2740	10,773
 Two Piece	353	1143	3868	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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