



POLYGLASS
MAPEI
GROUP

POLYANCHOR[®] HV

HIGH VELOCITY WIND ANCHOR SHEET



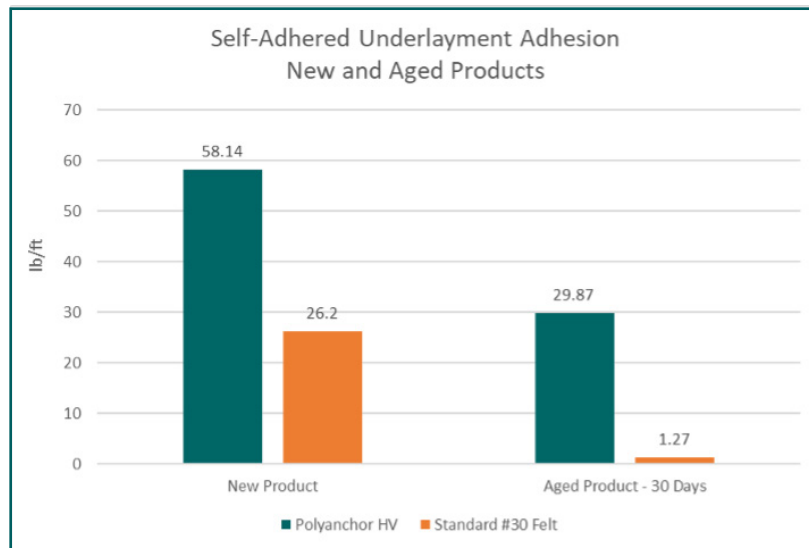
Building with Intent

Polyglass has been a leader in building materials design for decades. We have done it again by designing Polyanchor HV to support Florida Building Code's updated requirements for approved wind uplift systems and removing 30# felt from our approval listings.

Polyglass developed Polyanchor® HV to uphold best building practices by focusing on a critical layer in roof design - the anchor sheet.

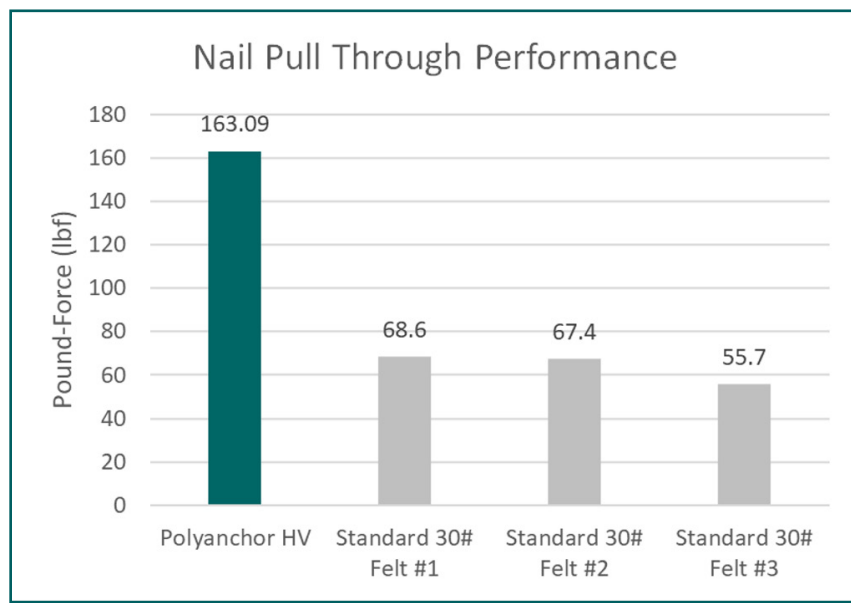
Under tile roof coverings, FBC requires underlayments be tested in accordance to FM 4474 or UL1897 and meet Maximum Design Pressure (MDP) required for project. When using an anchor sheet (recover or desired), the anchor sheet and self-adhered underlayment must meet MDP as system for the project. Polyglass has designed and tested the highest performing system with its Polyanchor HV anchor sheet to protect the structure against hurricanes and high wind events.

What separates Polyanchor HV from the Competition? Anchor sheet adhesion to self-adhered underlayment



- Newly installed Polyanchor HV has more than twice the adhesion performance than newly installed 30# felt
- Aged Polyanchor HV has more than 183% greater adhesion to self-adhered underlayment compared to aged conventional felts

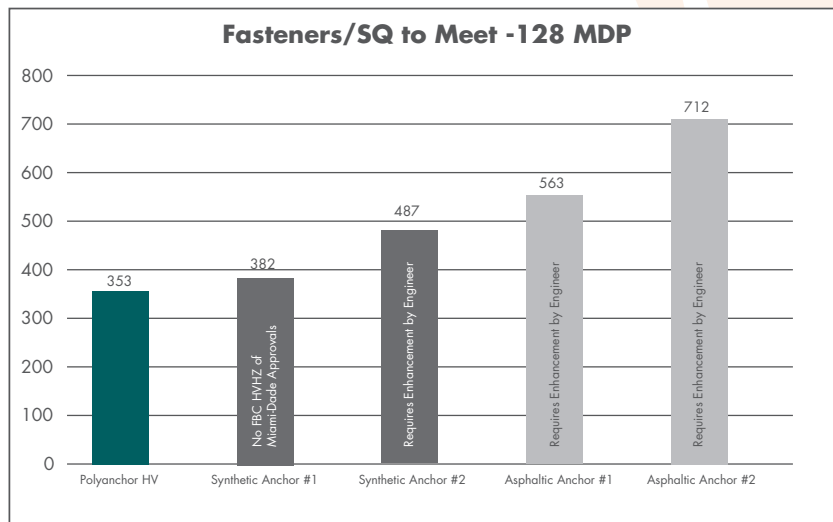
Reduced tearing around fasteners:



- Polyanchor HV achieved over 2.5 times greater nail pull through performance compared to conventional felts significantly reducing the opportunity for the membrane to rupture and lift/tear around fastener heads.

When you combine Polyanchor HV's adhesion and nail pull-through performance, you can achieve higher wind uplifts with fewer fasteners. Here is a real world example to demonstrate:

Required Fastening Patterns Example	
Building Stories:	1
Roof Type:	Gable
Roof Slope:	4:12
Deck Thickness:	19/32"
Exposure:	C
Required Maximum Design Pressure (MDP):	-128 psf
Wind Speed	175 mph



Polyglass is setting the industry standard by replacing 30# felt with a multitude of Polyanchor HV listed approvals. Polyglass' Polystick underlayments are still the ideal underlayment for self-adhered direct to deck applications. In situations where direct to deck is not an option or preferred, Polyanchor HV is the most tested anchor sheet in the market to meet new the Florida building code and allow installers to build with intent.



Below you will find a matrix of Polyanchor HV's FBC and Miami Dade product approvals. You can use this matrix to identify the Polyanchor HV product listing that will meet your projects maximum design pressure.

FBC Non-HVHZ Approvals Matrix (FL5259-R44)											
Fasteners/SQ.	Required Maximum Design Pressure										
	45	60	67.5	75	82.5	105	112.5	120	127.5	135	
	122	UDL-15									
	163				UDL-26						
	204										
	257					UDL-27		UDL-37			
	326								UDL-38		
	339									UDL-43	
	407			UDL-23*			UDL-36				
	509								UDL-39*		
	19/32" Deck Thickness										
15/32" Deck Thickness											
* Using Simplex Cap Nails											

FBC HVHZ Approvals Matrix (FL5259-R44)											
Fasteners/SQ.	Required Maximum Design Pressure										
	45	60	67.5	75	82.5	105	112.5	120	127.5	135	
	122										
	163				UDL-15						
	204	UDL-9									
	257					UDL-16		UDL-19			
	326								UDL-20		
	339									UDL-21	
	407						UDL-18				
	509										
	19/32" Deck Thickness										
15/32" Deck Thickness											

Miami-Dade NOA Approvals Matrix (NOA 24-0805.05)											
Fasteners/SQ.	Required Maximum Design Pressure										
	45	60	67.5	75	82.5	105	112.5	120	127.5	135	
	122	Polyglass E8 (Tu Max)									
	163				Polyglass E11 (Tu Max)						
	225		Polyglass E9 (Tu Max)	Polyglass E10 (Tu Max)							
	19/32" Deck Thickness										
	15/32" Deck Thickness										

Polyanchor HV

- Designed and tested in numerous real world conditions
- Better adhesion to self adhered membranes due to bituminous bonding top surface
- Nail pull through performance due to heavy duty high tear strength reinforced membrane design
- Enhanced higher wind uplifts achieved with reduced fasteners per square

Polyanchor HV was uniquely designed and tested in numerous real world conditions. With installers and code officials input we have yet again re-defined what the building standard is for the best roofing underlayment systems to withstand the reality of hurricanes and high wind events.



22 Approvals

Polyanchor® HV has the most amount of approvals with FBC and Miami-Dade

- 8 FBC HVHZ
- 11 FBC non-HVHZ
- 5 Miami-Dade



-135psf MDP

Polyanchor® HV's highest achievable MDP approval without engineering enhancement



122

Polyanchor® HV requires the fewest amount of fasteners/square to achieve the minimum MDP -45psf