

# THE JOHNS MANVILLE HYBRID SOLUTIONS

A comprehensive system built on the union of single ply  
and bituminous products for proven performance.

The redundant, multi-ply, monolithic system  
ensures dependability, energy savings and  
lower maintenance costs.

**TPO OR PVC FLEECE BACKED MEMBRANE**

**ASPHALT**

**SBS PLY SHEETS OR BUR FELTS**

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MAGNIFIED CROSS-SECTION VIEW



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PEAK  ADVANTAGE  
Johns Manville

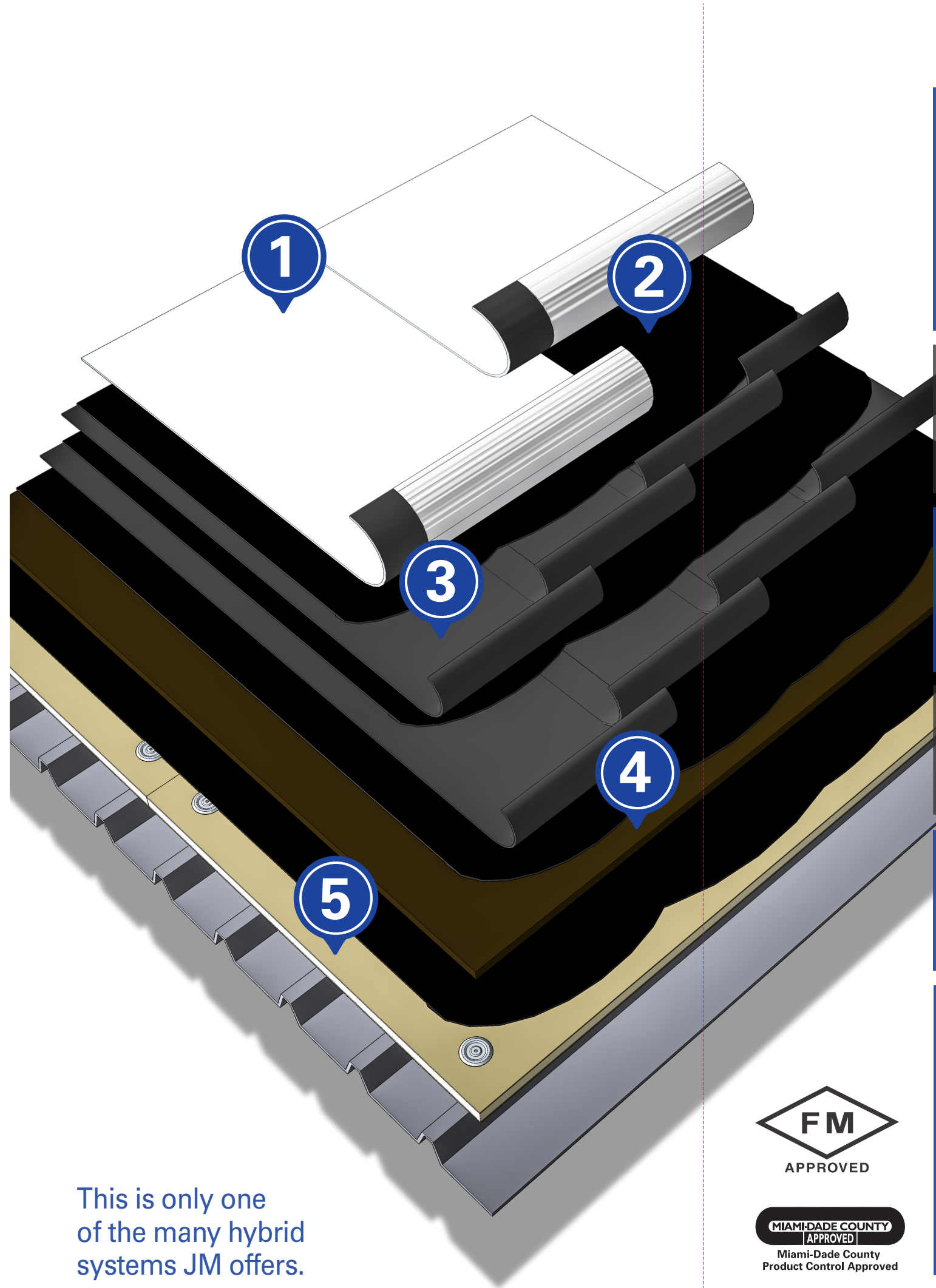
Johns Manville offers one of the most comprehensive guarantees in the  
roofing industry. That's the advantage you can expect from a longtime,  
dependable leader with the financial backing of Berkshire Hathaway.



## JM HYBRID SYSTEM

SINGLE PLY AND BITUMINOUS ROOFING





This is only one of the many hybrid systems JM offers.



✓ GREATER THICKNESS ✓ GREATER PROTECTION ✓ GREATER DEPENDABILITY	CRRC®	JM TPO FB	JM PVC FB
	Reflectivity: Initial	.77	.86
	Reflectivity: 3-year	.70	.70
	Emissivity: Initial	.87	.86
	Emissivity: 3-year	.86	.82
	Solar Reflex Index (SRI): Initial	95	108
	Solar Reflex Index (SRI): 3-year	85	84

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JM PVC FB 60 & 80 mil  
or  
JM TPO FB 150 & 175

- Provides energy savings through exceptional reflectivity
  - Meets or exceeds CRRC®, LEED and Title 24, Part 6
  - Balances strength, performance and flexibility for longevity
  - JM PVC has excellent chemical resistance
  - JM TPO is a cost-effective solution
  - Heat welded thermoplastic seams create a monolithic membrane solution
- 2

Asphalt

- JM partners with a select group of qualified asphalt suppliers in both keg and bulk
  - Offers one of the most cost-competitive adhesive/attachment options in the market
  - Provides exceptional waterproofing
- 3

SBS Ply Sheets  
or  
BUR Felts

- Delivers superior waterproofing in the toughest climates
  - SBS modified bitumen imparts elasticity and flexibility that's proven to protect
  - Multi-ply BUR combines the strength of fiber glass with the superior waterproofing and adhesion of hot asphalt
- 4

RetroPlus™  
Roof Board

- High-density roof board
  - Top surface is sealed with TopLoc® coating to provide a strong surface for bonding
- 5

1½" or Greater  
ENRGY 3® Polyiso

- Keeps occupants warmer in the winter and cooler in the summer
  - Offers one of the highest R-values per inch on the market compared to other common insulation types