



# JM HYBRID SYSTEM

SINGLE PLY AND BITUMINOUS ROOFING



# 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**

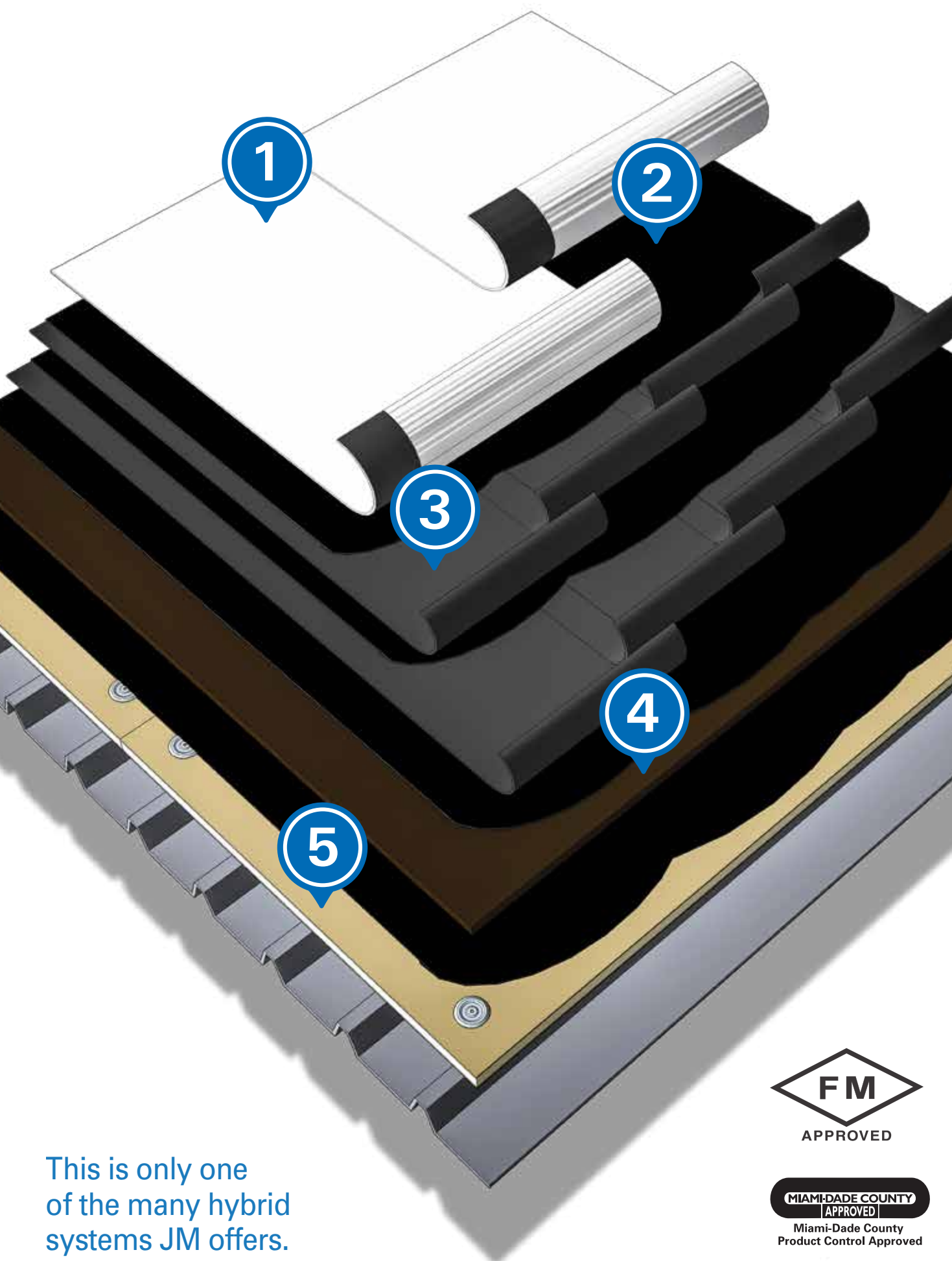
**ASPHALT**

**SBS PLY SHEETS OR BUR FELTS**

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MAGNIFIED CROSS-SECTION VIEW



1

2

3

4

5

**1** | JM PVC FB 60 & 80 mil  
or  
JM TPO FB 150 & 175

- Provides energy savings through exceptional reflectivity
- Meets or exceeds ENERGY STAR®, 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

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

# 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.



 **Johns Manville**  
A Berkshire Hathaway Company

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