

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

ASPHALT

SBS PLY SHEETS OR BUR FELTS

MAGNIFIED - CROSS-SECTION VIEW



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.

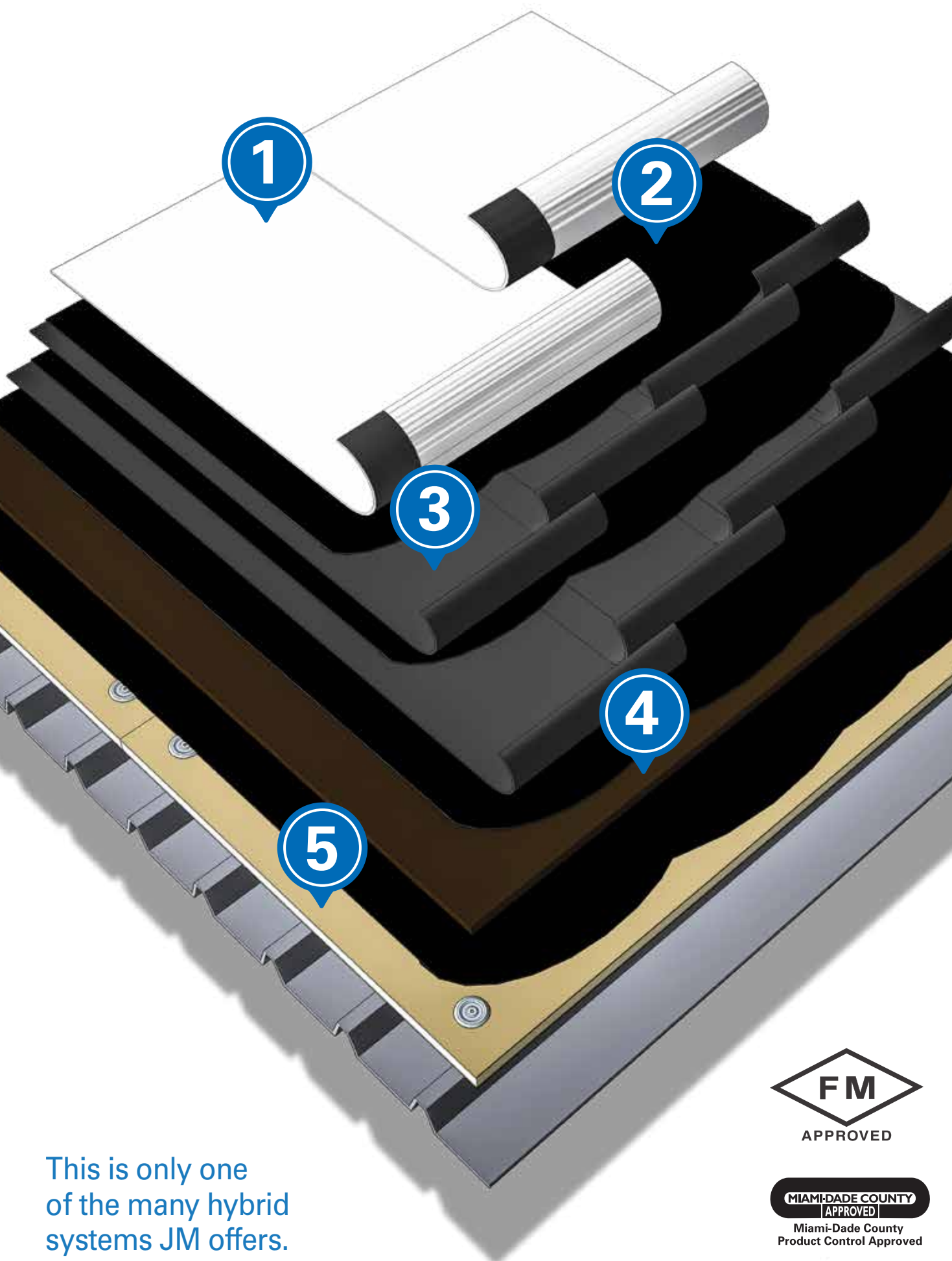


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JM HYBRID SYSTEM

SINGLE PLY AND BITUMINOUS ROOFING

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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 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
ENERGY 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