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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A Berkshire Hathaway Company

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JM PERMAFLASH™

BITUMINOUS FLASHING SYSTEM

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JM PERMAFLASH™

THE COMPLEMENT TO ANY BITUMINOUS ROOFING SYSTEM

When it comes to achieving the best possible performance for roofing systems, roof details and penetrations are critical points that can never be overlooked. The asphaltic urethane flashing system of Johns Manville PermaFlash gives you a specially designed solution that ensures strong weatherproofing across a wide range of details.

PermaFlash comes with all the testing, consistent product quality, technical assistance and high performance you expect from Johns Manville. When joined with a JM roofing system, you have the convenience and guarantee of a superior, fully integrated product from a world leader in roofing.

MBR Flashing Cement Cartridges give installers a method that does not involve mixing. These cartridges contain the two-component adhesive and require the use of an MBR Flashing Cement applicator and static mixer.

FLEXIBILITY TO FIT ANY PENETRATION

The soft, pliable polyester scrim of PermaFlash accommodates unusual penetration shapes and roof details as well as reinforces substrate for the MBR® Flashing Cement. This flexible system can also be used on drains, vertical surfaces and flashings where roof movement can be anticipated.

SOLID BONDING, SOLID PROTECTION

When high-performance flashing is needed in unusual areas, the cold-applied, two-part system of JM PermaFlash provides superior bonding and durability through its polyester stitch-bonded reinforcing scrim and two-component adhesive process. JM PermaFlash works well with all bituminous systems, hybrid systems and various projects such as:

- *New and re-roof projects*
- *Metal roofing*
- *Paver systems*
- *Historic preservation and/or restoration*

EASILY APPLIED IN ANY LOCATION

With the simplicity of a fast-drying primer and two-component curing, the process moves quickly and efficiently. Mixing the MBR Flashing Cement can be done on site between the original containers. Even through a wide range of temperatures, the mixture cures well to form a seamless barrier with exceptional strength and flexibility.

THE JM ADVANTAGE

With the JM PermaFlash system, you will find this approach easier to install and a lower-cost option that is still as strong as popular PMMA solutions.

- *Low permeability*
- *Wide application temperature range*
- *Low cost per penetration*
- *Minimal odor release*
- *Great tensile strength*
- *Enhanced workability*
- *Great crack-bridging capabilities*

PHYSICAL PROPERTIES

	Color	Tensile Strength	Elongation	Permeable to Water Vapor	Hardness	Crack-Bridging	Softening Point, Ring and Ball	Abrasion Resistance	VOC
Test Method	N.A.	ASTM D412	ASTM D412	ASTM E 96 Method E @ 100°F (38°C), 100 mil (2.5 mm) sheet	ASTM D 2240 @ 77°F (25°C)	After heat-aging	ASTM D 36	ASTM D 4060, 1000 gr./1000 rev. CS-17 wheel	N.A.
Value	Black	600 psi (4.1 MPa)	300%	.03 perms	65 shore A	1/8" (3 mm)	275°F (135°C)	1.2 mg loss	98 g/l (0.82 lb/gal)

SET-UP TIMES* (Tested at 75°F [24°C])

Working Time	Rainproof After	Suitable for Pedestrian Traffic	Suitable for Vehicular Traffic	Overburden May Be Applied After
Approximately 30 min	4 h	12 h	48 h	24 h

*Working and cure times will vary depending on ambient, surface and material temperatures

FLASHING A PARAPET WALL — A

1. Apply base coat *2. Embed PermaFlash scrim* *3. Apply top coat*

4. Coat entire scrim area *5. Broadcast granules (optional)* *6. Finished wall flashing*

FLASHING AN I-BEAM — B

1. Prime *2. Apply base coat* *3. Embed PermaFlash scrim*

4. Apply top coat *5. Remove masking tape* *6. Finished penetration*

For complete product specifications and comprehensive installation instructions, go to www.jm.com.