

Features and Components

Use: 1-Part PermaFlash is a unique, one-component, elastomeric, liquid applied flashing material, consisting of an asphalt/polyurethane resin. It is formulated for use with Johns Manville (JM) PermaFlash Scrim and bituminous membrane products.

Type: One-part, elastomeric, liquid-applied flashing material.

Color: Brown

Features: Cures to a durable, elastomeric film and forms exceptional bonds between the modified bitumen and a variety of penetrating materials. Single component solution with no mixing required that conforms easily to various geometries or irregular shapes. UV stable, high solids (80%), low odor.

Component

L
Liquid

Type

FL
Flashing

Multi-Ply



System Compatibility This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

Multi-Ply	BUR		APP		SBS			
	HA	CA	HW	HA	CA	HW	SA	MF
<i>Used to adhere flashings in all multi-ply systems</i>								

Single Ply	TPO				PVC			EPDM		
	MF	AD	SA	IW	MF	AD	IW	MF	AD	BA
<i>Do not use in single ply systems</i>										

Key: HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened IW = Induction Weld BA = Ballasted AD = Adhered

* Flashing must be adhered to granulated surfaces.

Energy and the Environment

Maximum VOC	225 g/l
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Physical Properties

Property		ASTM Test Method	1-Part PermaFlash
Strength	Tensile Strength	D 412	368 psi (2.5 MPa)
	Elongation at Peak Load	D 412	67.2%
Installation	Working Time ² @ 77°F (25°C)	–	>2 hours
	Rainproof After ² @ 77°F (25°C)	–	2 - 12 hours
	Full Cure ²	–	3 days
Longevity	Hardness @ 77°F (25°C)	D 2240	74 Shore A
	Peel Resistance	D903	23 lbf (102.3 N)
	Peel Adhesion After Water Immersion	C836	265 lb/ft ² (792 N/m ²)
	Permeability to Water Vapor	E 96 ¹	0.03 perms

1. Procedure A 2. Working and cure times will vary depending on ambient, surface and material temperatures. Do not use if rain or snow is predicted within 12 hours of application

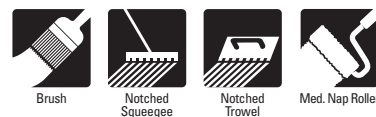
Peak Advantage® Guarantee Information

Systems	Guarantee Term
Any bituminous roofing system.	Up to 20 years*

*Can be included in Peak Advantage Guarantee for new systems.

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available by calling (800) 922-5922 or on the web at www.jm.com/roofing. The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the regional sales representative nearest you for current information.

Installation/Application



- Apply between 40°F - 95°F (4°C - 35°C).
- Service temperature is -22°F - 302°F (-30°C - 150°C).
- Please refer to detailed installation instructions on the product packaging or the installation guide.

Packaging and Coverage

Container Sizes	5 gal (19 L) 1 gal (3.8 L)- 2 gallons per box
Coverage Rate*	50 ft ² /gal (1.2m ² /L) per layer

* Coverage, open and dry time rates can vary dramatically depending on the particular substrate and environmental conditions. Coverage rates stated herein are approximate only. If FM Global® or UL® approval is required, consult specific RoofNavSM or the UL Certifications Directory for specific application rates.

Storage

Shelf Life	12 months
Storage Conditions	Clean, dry, indoor environment in an unopened container
Temperature Range	40°F – 95°F (7°C – 35°C) - Protect from freezing

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville roofing products and systems, visit www.jm.com/terms-conditions.