

Millennium Water Block Mastic (BP-300)

Description

Millennium Water Block Mastic is a gray colored, high performance, low VOC, non-curing, permanently flexible gun grade mastic. It maintains a positive seal by remaining flexible and adhered to all approved substrates.

Basic Use

Millennium Water Block Mastic is a non-curing, non-skinning secondary sealant designed for unexposed waterproofing applications. Millennium Water Block Mastic can be used:

- Behind termination bar
- Under roof drains
- Acoustical sealant
- Roof panel rib sealant
- Vapor barrier sealant

Surface Preparation

All work surfaces should be clean, dry, free of dirt, dust, debris, oils, un-adhered coatings, deteriorated membrane and other contaminants that may result in a surface that is not sound or is uneven. If necessary, clean the surface to receive the Millennium Water Block Mastic with an approved surface cleaner.

Safety

Prior to working with this or any adhesive product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

Limitations

- Talc, dust, oil, ice, snow, or wet conditions inhibit good adhesion. Clean and dry surfaces are necessary for proper installation of this product.
- Not recommended for direct contact with insulating glass sealants.
- Not to be used in locations exposed to direct UV light.
- Not to be painted.
- Use only in unexposed areas.



Features

Low VOC formula (<150 g/L)

Excellent adhesion to clean and dry substrates. No primer required

Excellent gunnability at low temperatures

Water resistant, even under immersion conditions

Non-skinning and non-curing

Benefits

Suitable for use in VOC regulated markets

Adheres to concrete, masonry, gypsum, metal, glass, plastic and wood surfaces

Wide application temperature range

Long term moisture barrier

Permanently flexible even at low temperatures

Packaging and Coverage

Millennium Water Block Mastic is available in the following package:

<u>Cartridge Size</u>	<u>Part #</u>	<u>Cartridges/Case</u>
10.3 fl. oz. (300 mL)	CT-0304-GR	30

Coverage rate will be approximately 10-12 lineal feet (3.0 - 3.7m) for a 1/2" (1.3cm) bead.

Storage and Shelf Life

Store material in original unopened packaging at temperatures between 40°F-110°F (4°C-43°C). Shelf life is 24 months when stored as recommended.

Application

1. Cut nozzle on cartridge to allow proper bead installation.
2. Apply an approximately 1/2" (1.3cm) size bead (or appropriate size bead to completely seal void) of Millennium Water Block Mastic between the objects to be sealed.
3. Install product and fasten accordingly. Note: Millennium Water Block Mastic is not intended to be used as a structural sealant or to replace mechanical fastening. It is intended for waterproofing only.
4. For drain applications, install a continuous bead of Millennium Water Block Mastic in between roof membrane and drain bowl. Install drain clamping ring according to drain manufacturers recommendations.
5. Note: This is a non-skinning, non-curing sealant and is intended for unexposed applications only.

Technical Data

Typical Physical Properties and Characteristics		
	<i>Typical Values</i>	<i>Test Method</i>
Base Polymer	Synthetic Rubber	FTIR
Adhesion	Excellent to most clean, dry surfaces	ASTM C 794
Water Resistance	No adhesion loss, no shrinkage, no chalking	
Flash Point	105°F (40°C)	ASTM D 56
VOC Content	<150 g/L	ASTM D 3960
Solids Content	85% Minimum	ASTM C 681
Weight/Gal	10.5 lbs.	ASTM D 1475
Application Properties		
Service Temperature	-40°F to 200°F (-40°C to 93°C)	ASTM D 3359
Application Temp.	20°F to 120°F (-6°C to 49°C)	ASTM C 603

NOTE:

The foregoing information is published as general information only. The listed properties and performance characteristics are typical values and are not to be interpreted as manufacturing specifications.

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