Firestone
BUILDING PRODUCTS COMPANY

# Multi-Purpose MB Cold Adhesive

## Meets ASTM D 3019-00, Type III and ASTM D 4479-00, Type I

**Firestone Item Number:** **W70RACMCA5 (Pails)**
**W70RACMCAD (Drums)**
**W70RACMCAT (Totes)**

**DESCRIPTION:**
Multi-Purpose MB Cold Adhesive consists of an asphalt matrix blended with fibers and selected performance additives. It is designed to meet the adhesion characteristics necessary for horizontal applications.

Multi-Purpose MB Cold Adhesive may be used to adhere select Firestone Base Sheets, Firestone SBS Cap Sheets, APP Cool Cap Sheets, and may also be used as a lap adhesive in two-ply SBS or APP Cool Systems. (One-ply systems require that the laps are heat fused.)

Multi-Purpose MB Cold Adhesive is available in:
- 275 gal (1,056.7 L) rectangular totes (non-returnable).
- Tote dimensions are: Height, 45.8" (1.2 m) x width, 40" (1.0 m) x length, 48" (1.3 m) with a 2" (50.8 mm) valve attachment.

**PERFORMANCE ADVANTAGES:**
1. Multi-Purpose MB Cold Adhesive can be applied over suitable substrates with a 1/4 in. (6.3 mm) notched neoprene squeegee or airless sprayer.
2. Substrates must be clean, dry and free of foreign materials such as oil, grease and contaminants.
3. Multi-Purpose MB Cold Adhesive provides superior adhesion when applied in a continuous layer at a rate of 1-1/2 to 2 gal/100 sq. ft (0.6 to 0.8 L/sq. m).
4. Roofing sheets should be laid in place while the adhesive has a shiny appearance. If the applied adhesive should become dull, then a fresh application of adhesive shall be applied.
5. The ambient temperature should always be above 40° F (4.4° C) when roofing products are installed in Multi-Purpose MB Cold Adhesive which has been stored at 60 to 80° F (15.6 to 26.7° C).
6. Cover all containers tightly when not in use to prevent spills and thickening of the adhesive from solvent loss.

**SPRAY APPLICATION:**
The optimum recommended conditions for spraying Firestone Multi-Purpose MB Cold Adhesive are as follows: A spray rig capable of 2000-3000 psi; which delivers 3 to 6 gallons per minute; utilizing Viton® O-rings, and spray tips between 60-80 thousandths of an inch opening without a breaker bar in the spray tip. The recommended optimum spray temperature is 60 to 90º F (15.6 to 32.2º C).

Viton® O-rings and spray tips without breaker bars are readily available from your local equipment supplier.



ISO 9000 ID No.: S723-PRD-064


## PRODUCT DATA

**PRECAUTIONARY INFORMATION:**
1. Combustible, keep away from fire and other sources of ignition during storage. Always keep ample fire extinguishing equipment near any area of adhesive application.
2. Avoid skin contact and inhalation of vapors. Always work in well-ventilated areas with proper clothing and safety equipment.
3. Prevent fumes from entering rooftop air handling equipment.
4. Do not thin Multi-Purpose MB Cold Adhesive.
5. Store all unopened containers at room temperature (60 to 80° F {15.6 to 26.7° C}) until ready for use.

**STORAGE:**
1. Shelf life of one year can be expected if stored in original sealed container at temperatures between 60° F (15.6° C) and 80° F (26.7° C). If exposed to lower temperatures, restore to room temperature before use.
2. Product stored for an extended period of time (over one year) will have a tendency to separate (i.e. the fillers will settle to the bottom of the pail). This settling does not render the product unusable, as the filler can be stirred back into the mix, and the adhesive will function as intended.
3. Rotate stock to insure stored material will not go beyond the shelf life of one year.

| | |
|---|---|
| **Pails:** | |
| Pails per Pallet: | 45 |
| Weight per Pallet, lb (kg): | 2,300 (1,044) |
| Pallets per Truckload | 21 |
| **Drums:** | |
| Drums per Pallet: | 4 |
| Weight per Pallet, lb (kg): | 2,300 (1,044) |
| Pallets per Truckload | 22 |
| **Non-Returnable Plastic Totes:** | |
| Weight per Tote, lb (kg): | 2.900 (1,316) |
| Totes per Truckload: | 16 |

**LEED INFORMATION:**

| | |
|---|---|
| Post Consumer Recycled Content: | 0% |
| Post Industrial Recycled Content: | 0% |
| Manufacturing Locations: | Huntington Park, CA<br>Kimberton, PA<br>Indianapolis, IN<br>Bartow, FL<br>Garland, TX |

FM APPROVED
Subject to the conditions of Approval when installed as described in the current edition of the FM Approval Guide

CLASSIFIED cULus US
Cements and Coatings for Roofing Systems
As to an External Fire Exposure Only
61P2
See UL Directory of Products Certified for Canada And UL Roofing Materials And Systems Directory
R9516

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# Multi-Purpose MB Cold Adhesive

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**Meets ASTM D 3019-00, Type III and ATSM D 4479-00, Type I**

## D 3019-00, Type III

| Dimensions and Mass | English | | | Metric | | |
|---|---|---|---|---|---|---|
| **Property** | **Unit** | **ASTM Requirement** | **Firestone Nominal** | **Unit** | **ASTM Requirement** | **Firestone Nominal** |
| Water, volume percent of original sample, max. | % | 2.5 | 1.0 | % | 2.5 | 1.0 |
| Solubility of the lap cement in trichloroethylene, mass percent, min. | % | 80.0 | 80.0 | % | 80.0 | 80.0 |
| Strength of the lap at indicated age, min., width at 24 h | lbf/in | 17.0 | 35.0 | KN/m | 3.0 | 6.0 |

## D 4479-00, Type I

| Dimensions and Mass | English | | | Metric | | |
|---|---|---|---|---|---|---|
| **Property** | **Unit** | **ASTM Requirement** | **Firestone Nominal** | **Unit** | **ASTM Requirement** | **Firestone Nominal** |
| Moisture, max. | % | 2.5 | 1.0 | % | 2.5 | 1.0 |
| Nonvolatile matter, min. | % | 50.0 | 80.0 | % | 50.0 | 80.0 |
| Mineral or other stabilizer, or both stabilizers | % | 5-20 | 5.5 | % | 5-20 | 5.5 |
| Asphalt, min. | % | 40.0 | 50.0 | % | 40.0 | 50.0 |

**Typical Value:**

| | |
|---|---|
| Viscosity @ 77° F (23° C) | 20,000 cps (20 Pa•s) |
| Density | 10 lb/gal (1.1 kg/liter) |
| Specific Gravity | 1.14 |
| Flash Point | 115° F (46° C) |
| VOC | 205 g/liter |
| Solvent | Stoddard Solvents |
| Solids | 82 % minimum |

**Composition:**

| | |
|---|---|
| Moisture, % | 2.5 max. |
| Nonvolatile matter, % | 82 min. |
| **Mineral or Other stabilizer, or Both:** | |
| Stabilizers, % | 5-20 |
| Asphalt, % | 40, min. |
| **Physical requirements:** | |
| Uniformity | Passes |
| Consistency | Passes |
| Behavior @ 60° C (140° F) | Passes |
| Pliability @ 0° C (32° F) | |