TECHNICAL INFORMATION SHEET

Firestone BUILDING PRODUCTS

Multi-Purpose MB Cold Adhesive

TIS # 815

ITEM NUMBER:

W70RACMCA5 (Pails)
W70RACMCAD (Drums)
W70RACMCAT (Totes)

Description:

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

Firestone 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.

Method of Application:

1. Firestone Multi-Purpose MB Cold Adhesive can be applied when the ambient temperature is above 40 °F (4 °C) and rising.
2. Store Firestone Multi-Purpose MB Cold Adhesive at 60 °F to 80 °F (15 °C to 27 °C) just prior to use.
3. Substrates to which Firestone Multi-Purpose MB Cold Adhesive is to be applied, must be clean, dry, and free of sharp objects, foreign materials, oil, grease and contaminants.(*see the list of acceptable substrates on page 2*)
4. Multi-Purpose MB Cold Adhesive can be applied over suitable substrates with a 1/4" (6.5 mm) notched neoprene squeegee or airless sprayer.
5. Do not apply Firestone Multi-Purpose MB Cold Adhesive to wood fiber insulation.
6. Firestone Multi-Purpose MB Cold Adhesive provides superior adhesion when applied in a continuous layer approximately 1/8" (3 mm) thick.
7. For best results, roofing sheets should be laid in place while the adhesive has a shiny appearance. Apply pressure by rolling the membrane into the MB Cold Adhesive for full adhesion.
8. Cover all containers tightly when not in use to prevent spills and thickening of the adhesive from solvent loss.

Storage:

- Store unopened containers of Firestone Multi-Purpose MB Cold Adhesive at room temperature (60 °F to 80 °F) (15 °C to 27 °C) just prior to use.
- Firestone Multi-Purpose MB Cold Adhesive in unopened pails that have been stored for an extended period of time, may separate (i.e. the solids will settle to the bottom of the pail). Settling does not render the product unusable, as the solids can be stirred back into the mix, and the adhesive will function as intended.
- Rotate adhesive stock to insure stored material will not go beyond the shelf life of one year.

Precautions:

- WARNING! COMBUSTIBLE! Keep away from fire and other sources of ignition during storage. Always keep adequate fire extinguishing equipment near any area of Multi-Purpose MB Cold Adhesive application.
- Avoid skin contact with Multi-Purpose MB Cold Adhesive and always work in well ventilated areas with proper clothing and safety equipment.
- Prevent fumes from entering rooftop air handling equipment.
- DO NOT THIN Firestone Multi-Purpose MB Cold Adhesive.
- DO NOT use Firestone Multi-Purpose MB Cold Adhesive with wood fiber insulation.
- Refer to Material Safety Data Sheets (MSDS) for safety information.

Compliance:

Post Consumer Recycled Content: 0%
Pre Consumer Recycled Content: 0%
Manufacturing Locations: Kimberton, PA
Garland, TX

FM APPROVED
CLASSIFIED c UL us
MIAMI-DADE COUNTY APPROVED

SHELF LIFE:

A shelf life of one year can be expected if Firestone Multi-Purpose MB Cold Adhesive is stored in the original sealed container at temperatures between 60 °F (15.6 °C) and 80 °F (26.7 °C). For optimum results, rotate your stock to ensure stored material has not exceeded the shelf life of one year.

If Firestone Multi-Purpose MB Cold Adhesive is exposed to lower temperatures, restore to room temperature before use.

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Multi-Purpose MB Cold Adhesive ASTM D 3019 Type II

Coverage Rate:

Apply Multi-Purpose MB Cold adhesive at a rate of 1.5-2.0 gal per 100 ft^2 (0.6-0.8 L per m^2). *NOTE:* ***Each pail has a volume of 4.75 gal (18 L), therefore one pail covers 240 - 315 ft² (22.3 – 29.3 m²).***

Packaging:

Pail: Volume=4.75 gal (18.0 L); Weight=50 lb (22.7 kg) Pails per Pallet: 45 Weight per Pallet: 2,300 lb (1,044 kg)

Drum: 55 gal (208 L), lined; Drums per Pallet: 4' Weight per Pallet: 2,300 lb (1,044 kg)

Tote: 275 gal (1,056.7 L) rectangular plastic totes (non-returnable)
Tote dimensions: 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.
Tote Weight: 2,900 lb (1,315.4 kg)

Physical Properties:	*Performance*
Water, volume of original sample, max	≤1.0%
Solubility in trichloroethylene, min	≥80%
Strength of the lap at indicated age, min, width at 24 h	35.0 lbf/in (6.0 KN/m)
Moisture, max	≤1.0%
Nonvolatile matter, min	≥80%
Mineral or other stabilizer:	5.5
Asphalt, min:	≥50%
V.O.C. Content:	≤ 205 g/L
Viscosity @ 77 ºF (23 ºC)	20,000 cps (20 Pa·s)
Density	10 lb/gal (1.1 kg/L)
Specific Gravity	1.14
Flash Point	115 ºF (46 ºC)
Solvent	Stoddard Solvents
Solids, min	≥82%
Behavior @ 140 ºF (60 ºC)	Pass
Pliability @ 32 ºF (0 ºC)	Pass

Consult the SBS Design Guide and Quick Specs on line at www.firestonebpco.com to review specific information regarding fastener types appropriate for the type of deck and

Acceptable Substrates:	**Notes:**
Structural Concrete, 3000 psi (New and Existing)	Concrete must be primed with ASTM D-41 primer
ISO95+ GL, Resista, ISOGARD HD and DensDeck Prime	
Plywood and OSB, min. ½ in. *Gypsum, min. 2"*	Only when a base sheet Is mechanically attached to the deck prior to application of the adhesive. Do not use asphalt cold adhesive with wood fiber insulation.

NOT ACCEPTABLE:	*Do not use Firestone Multi-Purpose MB Cold Adhesive to adhere woodfiber insulation or to adhere membranes to wood fiber insulation.*

Contact your Firestone Roof Systems Advisor at 1-800-428-4511 for further information.

This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.