

# TECHNICAL BULLETIN

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PLEASE DISTRIBUTE TO YOUR ESTIMATORS, SUPERINTENDENTS, FOREMEN, AND ALL OTHER APPROPRIATE PERSONNEL.

**Issue Date: October 25, 2005**

**To: Firestone Licensed Contractors  
Firestone Sales Representatives  
Firestone Distributors**

MULTI-PURPOSE MB COLD ADHESIVE IS DESIGNED TO ADHERE MODIFIED BITUMEN MEMBRANES AND IS NOT SUITABLE FOR USE AS AN INSULATION ADHESIVE.

Firestone Multi-Purpose MB Cold Adhesive has proven to be an excellent adhesive for APP Cool and SBS membranes.

Testing completed at Factory Mutual has provided the following enhanced wind uplift ratings for Firestone membranes in Multi-Purpose MB Cold Adhesive:

**Insulation must be mechanically attached**

Insulation	System	FM Rating
Min. 2.0" ISO 95+	SBS Base/SBS Premium FR	1A-105
Min. 2.0" ISO 95+	SBS Base/APP 180 FR Cool	1A-105
Min. 2.0" ISO 95+	MB Base M/APP 180 FR Cool	1A-90
Min. 1.5" ISO 95+	SBS Poly Torch Base/APP 180 FR Cool	1A-90
Min. 1.5" ISO 95+ ½" DensDeck prime	SBS Base/SBS Premium FR	1A-60

*Note: Fastener requirements vary for the systems noted, and for roof insulation attachment at field, corners and perimeter.*

**Insulation must be attached in I.S.O. TwinPack®  
over min. 3000 p.s.i. (210.9 kg/cm²) structural concrete**

Insulation	System	FM Rating
Tapered ISO 95+	SBS Base/SBS Premium FR	1A-135
No insulation	APP 80 Glass Base/APP 180 FR Cool	1A-225
No insulation	SBS Base/SBS Premium FR	1A-315
No insulation	SBS Base/APP 180 FR Cool	1A-390

Firestone Multi-Purpose MB Cold Adhesive provides outstanding adhesion of Firestone Modified Bitumen membranes to the top of Firestone insulation substrates, for both short, and long-term performance. However, Firestone Multi-Purpose MB Cold Adhesive and Firestone Multi-Purpose MB Flashing Cement should not be used to adhere any insulation to a substrate or to any other insulation.

**Firestone**  
BUILDING PRODUCTS COMPANY

**MINIMUM REQUIREMENTS FOR FIRESTONE RED SHIELD WARRANTY  
INSULATION /COVER BOARD ATTACHMENT OPTIONS BY DECK**

Substrate To Which Insulation / Cover Board Will Be Attached	Attachment Method					
	Mechanically Attached	I.S.O. Fix	I.S.O. Spray	I.S.O. Twin Pack	Multi- Purpose MB Cold Adhesive	Hot Asphalt
		Adhesive attachment may require a primer and an adhesive pull test. See the Firestone Attachment Guide				
<b>Deck Type</b>						
Steel					N/A	N/A
Structural Concrete					N/A	
Plywood Or Oriented Strand Board					N/A	N/A
Wood Planking					N/A	N/A
Poured Or Pre-Cast Gypsum					N/A	N/A
Cementitious Wood Fiber					N/A	N/A
Lightweight Insulating Concrete Decks		N/A	N/A	N/A	N/A	N/A
Existing Roof with Phenolic Insulation	Complete tear off required When Phenolic insulation is removed, a visual inspection of the deck condition and other components is required; all deteriorated components must be replaced as necessary.					
Sprayed Polyurethane Foam	Complete tear-off required.					
Existing roof insulation (after removal of existing roof)	Firestone recommends mechanically attaching a cover board over existing insulation. The responsibility of identifying and removal of damaged or wet insulation is that of the contractor.					
Refer to the <a href="#">Firestone Attachment Guide</a> for adhesion pull test requirements for I.S.O. Fix, I.S.O. Spray, and I.S.O. Twin Pack						
= Acceptable for use N/A = Not Applicable						

For more Information and assistance in determining the proper system component design, please contact the Firestone Roof Solutions Group at 800-428-4511, the Firestone website at [www.firestonebpco.com](http://www.firestonebpco.com), the Asphalt Systems Application Guide, the technical information sheets, or e-mail at [PinAdminHP@firestonebp.com](mailto:PinAdminHP@firestonebp.com) .