

# ISOLATEK

INTERNATIONAL

Technical Release T-0102

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TO: ISOLATEK Sales Personnel  
FROM: Technical Service Department  
DATE: January 29, 2001  
SUBJECT: ***CAFCO® PATCHING PROCEDURES***

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Please note that we now have UL approval for hand patching damaged CAFCO 280, 300, 300ES, SB and 400 with our CAFCO FIBER-PATCH (Type P) material.

The areas to be patched shall be limited to a maximum area of **144in<sup>2</sup> (1FT<sup>2</sup>)**. The minimum average density of the FIBER-PATCH shall be 17.5 pcf. CAFCO BOND-SEAL, mixed and applied as an adhesive, must be applied to all galvanized roof decks (without concrete topping) prior to the application of the FIBER-PATCH.

FIBER-PATCH may still be used to hand patch BLAZE-SHIELD® DC/F, II, and HP in areas up to **432in<sup>2</sup> (3FT<sup>2</sup>)** in accordance with our FIBER-PATCH Short Form Application Instructions.

Furthermore, CAFCO 280, 300, 300ES, SB, 400, 800 and M-II may be hand patched using the identical wet-mix product in areas up to **144in<sup>2</sup> (1FT<sup>2</sup>)** provided the guidelines listed on the attached UL letter revised on January 22, 2001 are followed.

Item 16, *REPAIR PROCEDURES*, located on page 12 of the CAFCO 300/300SB Application and Installation Manual will be revised to reflect these changes. The paragraph will read:

“CAFCO 300 that has been damaged or removed may be repaired by spraying or hand troweling freshly mixed product to the affected areas. The maximum area that can be patched by hand troweling is 1 sq. ft. (0.1m<sup>2</sup>). If the thickness of the patch is greater than ½” (13mm), multiple coats will be necessary.”

Attachment



JAN 22 2001

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November 30, 2000  
*REVISED: January 22, 2001*

Mr. Rudy Jagnandan  
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**Isolatek International**  
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Our Reference: File R3749, 00NK16850

**Subject: Patching Specifications for Spray-Applied Fire Resistive  
Materials Under Classification Card R13348**

Dear Mr. Jagnandan:

This letter is in response to our recent conversations regarding the patching requirements of your company's Spray-Applied Fire Resistive Materials.

We have completed the fire tests associated with Project 00NK16850 and have concluded that Classification Card R13348 will be revised to include the following text. Please note that the following text also includes the patching requirements set forth at a previous date regarding Types DC/F, HP and II.

*Types 280, 300, 300ES, SB, 400, 800 and M-II may be hand patched in all designs, in areas up to 144 sq. in., following the guidelines listed below:*

- A.) The material used for patching is of the same Type designation as the material being patched.*
- B.) All areas to be patched must be cleaned, down to the substrate, of loose, poorly adhered material including dirt and any other foreign material.*
- C.) The material is keyed into the material surrounding the patch. It should be understood that the integrity of the surrounding material shall not have been impaired and must be pre-wetted prior to applying the patching material.*
- D.) If Type EBS or Type X adhesive/sealer is required in the fire resistance design, it must be applied to the substrate prior to the patching material.*
- E.) All manufacturer's application instructions of the Spray-Applied Fire Resistive Material being used to patch the area must be followed.*
- F.) The minimum in-place density and minimum thickness of the material, as specified in the fire resistance design, must be maintained.*

*G.) Any clips or hangers being patched around are totally encased in material at the point of attachment to the structural member at a thickness equal to or greater than that being applied to the structural member.*

*Type P may be used to hand patch Types DC/F, II or HP in all designs, limited to a maximum area of 432 sq. in., or in all designs protected with Types 280, 300, 300ES, SB or 400, limited to a maximum area of 144 sq. in., following the guidelines B through G listed above and the additional guideline H listed below. The minimum average density of Type P shall be 17.5 pcf.*

*H.) Type EBS or Type X adhesive/sealer is required on fluted steel deck that does not contain concrete and on all cellular decks.*

Our letter report transmitting the construction details and test results associated with this investigation will be completed in the near future. You should receive your copies of the revised Classification Card shortly.

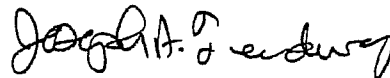
If should you have any additional questions, please feel free to contact the undersigned.

Very truly yours,



MARK IZYDOREK  
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Reviewed By:



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