



Fire Protection Products

Title: UPDATED: Use of 3M™ FireDam™ Spray 200 and 3M™ Fire and Water Barrier Tape FWBT Fill Materials in finishing of gypsum board seams / joint treatment.

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Discussion: The attached letter allows for the use of 3M™ FireDam™ Spray 200 and 3M™ Fire and Water Barrier Tape FWBT as alternatives to traditional joint compound and tape to cover joints (buted gypsum seams) and screw heads over steel or wood studs, above suspended ceilings that are part of a fire-resistive floor-ceiling or roof-ceiling assembly. This means the tape can only be installed above the rated gypsum lid of the ceiling or above the acoustic ceiling if it has its own rating as part of that overall fire-rated assembly. The letter outlines the minimum overlap requirements as 3/4 in. onto either side of the gypsum seam, as well as the minimum wet thickness of 1/8 in. for the spray.

The table on the following pages comes from the UL Directory Guide Information for Fire-Resistive Assemblies (Category BXUV). The assemblies which the UL letter pertains to are highlighted in **green**; Namely floor-ceiling and roof-ceiling assemblies which have a protective membrane (i.e. ceiling).

Grid Ceilings (Series 000, 200) These fire-resistive floor-ceiling assemblies are comprised of specific acoustical ceiling panels, and specific steel framing members.

Manufacturers of such acoustical panels (UL Category [BYIT](#) 'Acoustical Materials') include:

- ARMSTRONG WORLD INDUSTRIES
- CERTAINTEED CORP
- KCC CORP
- USG INTERIORS LLC

And manufacturers of compliant framing members (UL Category [CIKV](#) 'Framing Members') include:

- ARMSTRONG WORLD INDUSTRIES
- BAILEY METAL PRODUCTS LTD
- CERTAINTEED CORP
- CGC INC
- ROXUL USA INC. D/B/A ROCKFON
- USG INTERIORS LLC

Gypsum Ceilings (Series 500) In these fire-resistive floor-ceiling assemblies the type of allowed gypsum is often Type C. The gypsum board manufacturers with such listings (UL Category [CKNX](#) 'Gypsum Board') include:

- AMERICAN GYPSUM CO
- CERTAINTEED GYPSUM
- CGC INC
- CONTINENTAL BUILDING PRODUCTS
- GEORGIA-PACIFIC GYPSUM LLC
- NATIONAL GYPSUM CO
- PABCO GYPSUM
- THAI GYPSUM
- UNITED STATES GYPSUM
- USG BORAL DRYWALL SFZ LLC
- USG MEXICO S A DE C V

Always consult the specific UL fire-resistance rated floor-ceiling assembly for the full construction details.

UL BXUV.GuideInfo
Fire-resistance Ratings - ANSI/UL 263
NUMBERING SYSTEM FOR FIRE-RATED ASSEMBLIES

	TYPES OF PROTECTION								
	Membrane Protection						Direct-applied Protection		Unprotected
Groups of Construction	000-099	100-199	200-299	300-399	400-499	500-599	600-699	700-899	900-999
Floors-Ceilings: A or B* Concrete and Cellular Steel Floor	Concealed Grid System	(Reserved)	Exposed Grid System	(Reserved)	Metal Lath	Gypsum Board	Misc.	Spray-applied Fire-resistant Material	Unprotected
C - Glazing Systems	(Reserved)	(Reserved)	(Reserved)	(Reserved)	(Reserved)	(Reserved)	(Reserved)	(Reserved)	Unprotected
D, E* or F* Concrete and Steel Floor Units	Concealed Grid System	(Reserved)	Exposed Grid System	Mineral and Fiber Boards	Metal Lath	Gypsum Board	Mastic and Intumescent Coatings	Spray-applied Fire-resistant Material	Unprotected
G or H* Concrete and Steel Joists	Concealed Grid System	(Reserved)	Exposed Grid System	Mineral and Fiber Boards	Metal Lath	Gypsum Board	Misc.	Spray-applied Fire-resistant Material	Unprotected
I Non-load-bearing Horizontal Barrier	(Reserved)	(Reserved)	(Reserved)	(Reserved)	(Reserved)	Gypsum Board	(Reserved)	(Reserved)	(Reserved)
J or K Concrete	Concealed Grid System	(Reserved)	Exposed Grid System	Mineral and Fiber Boards	Metal Lath	Gypsum Board	Misc.	Spray-applied Fire-resistant Material	Unprotected
L or M Wood Joist or Combination Wood and Steel Assemblies	Concealed Grid System	(Reserved)	Exposed Grid System	(Reserved)	Metal Lath	Gypsum Board	Misc.	Spray-applied Fire-resistant Material	Unprotected
Beams: N or O* for Floor-Ceiling	Concealed Grid System	(Reserved)	Exposed Grid System	Batts and Blankets or Mineral and Fiber Boards	Metal Lath	Gypsum Board	Mastic and Intumescent Coatings	Spray-applied Fire-resistant Material	Unprotected

Roof-Ceiling: P, Q* or R*	Concealed Grid System	(Reserved)	Exposed Grid System	Mineral and Fiber Boards	Metal Lath	Gypsum Board	Misc.	Spray-applied Fire-resistant Material	Unprotected
Beams: S or T* for Roof-Ceiling	Building Units	(Reserved)	Exposed Grid System	Mineral and Fiber Boards	Metal Lath	Gypsum Board	Mastic and Intumescent Coatings	Spray-applied Fire-resistant Material	Unprotected
Wall and Partition: U, V or W	Building or Partition Panel Units	(Reserved)	Insulating and Precast Concrete	Wood Stud, Gypsum Board, Lath and/or Plaster	Metal Stud, Gypsum Board, Lath and/or Plaster	Misc.	Metal Panels, Gypsum Board, Lath and/or Plaster	Spray-applied Fire-resistant Material	Masonry and Precast Concrete
Columns: X, Y or Z*	Building Units	Pre-fabricated	Mat Materials	Batts and Blankets or Mineral and Fiber Boards	Metal Lath and Plaster	Gypsum Board	Mastic and Intumescent Coatings	Spray-applied Fire-resistant Material	Masonry

Source: UL Online Certification Directory, Fire-resistance Ratings [BXUV.GuidelInfo](#)

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