

## Technical Bulletin

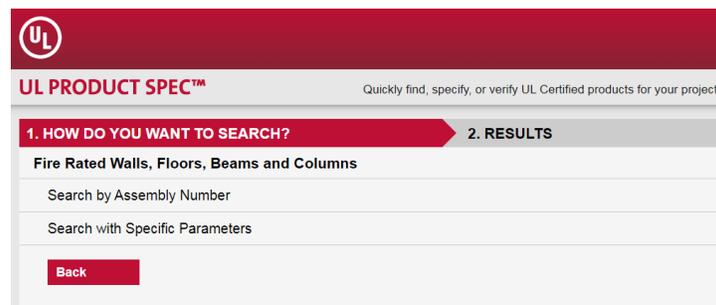
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### MW# 168-191001

### Topic: ASTM E119 Fire Rated Assemblies

Master Wall® Systems may be applied over a variety of walls; CMU, wood framed with wood sheathing, or metal framed with gypsum sheathing are some of the more common wall types. How do architects choose walls types? For the most part they don't. The International Building Code Chapter 6 sets the fire Resistance Ratings for the building based upon the type of construction. The Types of Construction are referenced in Chapter 5.

Building walls to these requirements is complicated. Architects typically rely on Underwriters Laboratory (UL) or product manufacturers information to develop their wall systems. UL has recently updated their website, making it easier to look up wall types. Click on the image to look up available wall systems.



### Demonstrating Compliance

Many of the UL assemblies don't even list an exterior covering. This has led to some interesting conversations regarding what to cover that framing with, and how to demonstrate compliance.

For Cemplaster Fiberstucco or traditional stucco for that matter, demonstrating compliance is easy. Why? Most importantly, **IT DOESN'T BURN**. In addition to that Cemplaster Fiberstucco has a code report for the product and stucco is covered in Chapters 14 and 25 of the building code.

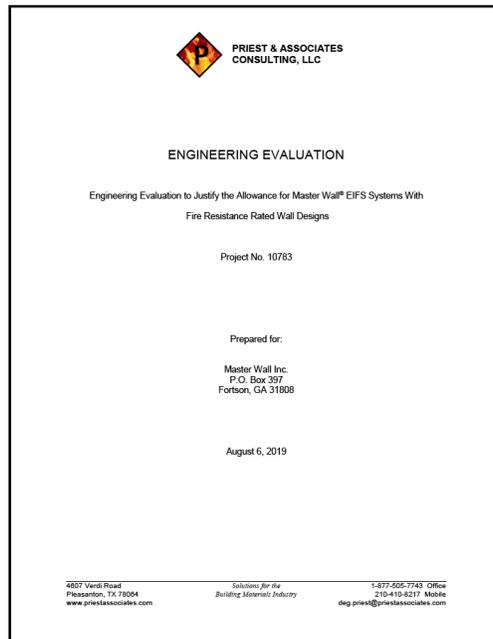
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EIFS is not so easy because foam plastic is part of the assembly and while covered in Chapter 14 of the building code the foam plastic used falls under Chapter 26. Thankfully there is a history with EIFS, and it has proven itself to neither add to nor reduce the fire resistance rating of a wall assembly. We've developed an ASTM E119 equivalency paper to demonstrate compliance to various assemblies. You can view the paper here:



In summary, if you're choosing EIFS for your wall surface insulation board, up to 4" thick may be used without affecting the rating of the wall. Of course, we comply with NFPA 285 for taller buildings as well.

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