

Revision Date: 07/28/2021

1. Design Criteria:

- a. Comply with FM Global requirements.
- b. Ensure proper UL assembly ratings are provided by installer.
- c. Low VOC (Volatile Organic Chemicals) products are to be specified.

2. Submittals to be reviewed by University:

- a. All product data.
- b. LEED submittals as required for project criteria.
- c. Samples for each exposed product to evaluate color and texture.
- d. Shop drawings indicating locations and thickness of application.
- e. Mockup: required to demonstrate aesthetic effects, to set quality standards for materials and execution, and for preconstruction where this is required.
- f. Testing to include:
 - i. Adhesion testing
 - ii. Compatibility testing
 - iii. Density testing

3. Products, Materials & Equipment:

- a. All sprayed on fireproofing, except thin type fireproofing, shall be Portland cement based cementitious type. Cellulose based products are not permitted.
- b. Sealers required by the application shall be tinted to indicate sealed areas.
- c. Provide tinted sealers (for identification of sealed areas) when located above accessible ceilings
- d. Provide products from same manufacturers.
- e. Bond strength to be a minimum of 2000 lbf/sq (ASTM E 736).
- f. Density shall be not less than 22 lb/cu ft. (ASTM E 605)
- g. Thickness shall be as required to obtain the required or specified fire-resistance rating.
- h. Treat products with fungal resistant anti-microbial materials.
- i. Topcoat colors to be selected by design consultant and approved by UVM Project Manager.

4. Installation, Fabrication, and Construction

- a. Ensure compliance with industry standards.

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- b. Do not apply fireproofing until clips, hangers, supports, sleeves, and other items that would penetrate the fireproofing are in place.
- c. Defer installing ducts, piping, and other items that would interfere with applying fireproofing until after fireproofing application is complete.
- d. Defer installation of fireproofing on metal decks until placement of concrete above, and/or roofing, if any, has been completed.
- e. Test areas in successive stages. Do not apply fireproofing in the next area until the testing of the first area indicates meeting design requirements.
- f. Protect fireproofing from damage resulting from construction operations or other causes.
- g. Do not expose fireproofing to normally occupied locations. Provide finish surface (GWB assembly or alternative) around exposed areas below ceiling height.

5. Warranties:

- a. Manufacturer's standard product warranty
- b. Installer's standard 1 year warranty on installation of the product.