

ALBI DRICLAD

SECTION 07820

MINERAL FIBERBOARD FIREPROOFING

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Preparing surfaces to receive fireproofing.
- B. Protection of adjacent surfaces from overspraying.
- C. Mineral fiberboard, asbestos free, fireproofing of interior exposed structural steel wide flange columns and beams, to provide rated fireproofing.

1.02 RELATED WORK

- A. Section [____ - _____]: Building structural substrate surfaces.
- B. Section 05120 - Structural Steel.
- C. Section 05210 - Steel Joists.

1.03 REFERENCES

- A. ASTM E 84 - Test Method for Surface Burning Characteristics of Building Materials.
- B. ASTM E 119 - Fire Tests of Building Construction and Materials.
- C. U.L., Inc. - Fire Resistance Directory.

1.04 PERFORMANCE REQUIREMENTS

- A. Mineral fiberboard fireproofing to provide a two hour fire rating.

1.05 SUBMITTALS

- A. Submit product data under provisions of Section [01300.] [____.]
 - 1. Indicate product characteristics, performance, and limitation criteria.
- B. Submit manufacturer's installation instructions under provisions of Section [01300.] [____.]
- C. Submit manufacturer's certificate under provisions of Section [01400] [____] that products meet or exceed specified requirements.
- D. Submit test reports under provisions of Section [01400] [____].
- E. Submit certified test reports indicating the following:
 - 2. Fire test reports of fireproofing application to substrate materials similar to project conditions.
 - 3. U.L. Design Listings from U.L., Inc.
- 4. Submit applicator's current certification, by product manufacturer, as a factory trained and manufacturer approved installer of this product.

1.06 QUALITY ASSURANCE

- A. Manufacturer: Company specializing in manufacturing the products specified in this Section with minimum five years documented experience.
- B. Applicator: Company specializing in applying the work of this Section with minimum 3 years documented experience and approved by manufacturer.

1.07 REGULATORY REQUIREMENTS

- A. Conform to applicable code for fire resistance ratings.
- B. Submit certification of acceptability of fireproofing materials to authority having jurisdiction and to Architect.

1.08 MOCKUP

- A. Provide mockup of applied mineral fiberboard fireproofing under provisions of Section [01400.] [_____.]
- B. Provide testing and analysis of mockup to manufacturer's published data.
- C. Apply sample section of 100 sq ft in size to representative substrate on site.
- D. Comply with project requirements as to thickness, density, fire rating, and finish texture.
- E. Examine installation to determine variances.
- F. If accepted, mockup will demonstrate minimum standard for the Work. Mockup may remain as part of the Work.

1.09 SEQUENCING AND SCHEDULING

- A. Sequence work under provisions of Section [_____.]

1.10 WARRANTY

- A. Provide one year manufacturer's warranty under provisions of Section [01700.] [_____.]
- B. Provide one year applicator's warranty under provisions of Section [01700.] [_____.]
- C. Warranty: Fireproofing to remain free from cracking, checking, dusting, flaking, spalling, separation, and blistering. Reinstall or repair such defects or failures.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Albi Manufacturing, East Berlin, CT (860) 828-0571; "ALBI DRICLAD."

2.02 MATERIALS

- A. Mineral Fiberboard Fireproofing: Manufactured board of asbestos free, fire resistive materials.
 - 1. Fuel Contributed: ASTM E84, Class A.
 - 2. Flame Spread: ASTM E 84, Class A.
 - 3. Asbestos Content: 0%.

- B. Fasteners: Provide screws and other fasteners types, as may be recommended by the board manufacturer.

PART 3 - EXECUTION

3.01 INSPECTION

- A. Verify that surfaces are ready to receive work.

- B. Verify that clips, hangers, supports, sleeves, and other items required to penetrate fireproofing are in place.

- C. Beginning of installation means applicator accepts existing substrate.

3.02 PROTECTION

- A. Protect floor areas from this Work by completely covering with tarps or 4 mil polyethylene sheets.

- B. Protect adjacent surfaces and equipment from damage by dusting.

- C. Close off and seal ductwork in areas where fireproofing is being applied.

3.04 APPLICATION

- A. Apply fireproofing in sufficient thickness to achieve rating, and in accordance with manufacturer's written application instructions. USE full number of fasteners called for.

3.05 FIELD QUALITY CONTROL

- A. Field inspection and testing will be performed using manufacturer's guidelines under provisions of Section [01400.] [_____.]

- B. Inspections will be performed to verify compliance with requirements.

- C. Patch fireproofing, which has been cut away to facilitate work of other trades, so as to maintain complete coverage of full thickness on appropriate substrate.

- D. Correct unacceptable Work and provide further inspection to verify compliance with requirements, at no cost.

3.06 CLEANING

- A. Clean work under provisions of Section [01700.] [_____.]

- B. Remove excess material and debris.

- C. Remove fireproofing from materials and surfaces not specifically required to be fireproofed.

PART 4 - SCHEDULE

4.01 SCHEDULE OF FIREPROOFING

A. _____
1. Thickness:
2. U.L. Design Number:

B. _____
1. Thickness:
2. U.L. Design Number:

C. _____
1. Thickness:
2. U.L. Design Number:

END OF SECTION