

FTI 2H FIREWALL CELLULOSE INSULATION SPECIFICATIONS

1. GENERAL

1.1. SUMMARY

This specification provides information regarding the pneumatic application of FTI 2H FIREWALL cellulose insulation. FTI 2H FIREWALL provides a two (2) hour fire rating for load-bearing wall structures. It also provides superior R-Value (resistance to heat flow) for thermal applications and sound control for acoustical treatments.

1.2. RELATED WORK

All rough plumbing, electrical, mechanical penetrations, telephone, and data lines must be first completed by other trades prior to application.

1.3. SUBMITTALS

- a. Product Data: Submit FTI 2H FIREWALL product literature, samples, and installation instructions for specified products and their application.
- b. Manufacturer's written certification that product contains no asbestos, fiberglass, or other man-made mineral fibers, and free of ammonium based additives.

1.4. DELIVERY, STORAGE, AND HANDLING

- a. Deliver in original, unopened containers bearing name of manufacturer, product identification, and reference testing information.
- b. Store materials dry, off ground, and under cover.
- c. Protect insulation from physical damage and from becoming wet, soiled, or covered with ice or snow.

1.5. LIMITATIONS

- a. Avoid heating the work area with propane or kerosene space heaters. Use electric heaters and ventilation to avoid excessive moisture addition to construction materials.

2. MATERIALS

2.1. ACCEPTABLE MANUFACTURERS

- a. FIBERLITE TECHNOLOGIES, INC. (FTI)
3605 E. 25TH STREET
JOPLIN, MO 64804
(417) 781-6380-phone
(417) 781-8335-fax

2.2. CELLULOSE INSULATION

- a. FTI 2H FIREWALL is manufactured from recycled paper and borate fire retardant. Each pound of FTI 2H FIREWALL contains at least 75% paper fiber content. The fibers are treated with boric acid and sodium polyborate to create permanent flame resistance. The additives are mold-resistant, non-toxic, non-corrosive, will not irritate normal skin, will not give off odor during or after installation, will not attract vermin or insects, and will not adversely affect other building materials.
- b. Sound Control.
These same characteristics, particularly the density of the material when installed in walls and floors, also provide significant noise reduction in walls and between floors.

2.3. BUILDING CODES

- a. Meets the standard for two hour loadbearing double-stud wall. ASTM E-119-07a, Fire Tests of Building Construction and Materials. Complete test report available upon request.
- b. Properly installed FTI 2H FIREWALL meets the requirements for the following standards UL 263, UBC 7-1, NFPA 251, ANSI A2.1, ULC S101, ISO 834, BS 476 Pt20, EN 1363-1.

3. EXECUTION

3.1. INSPECTION

- a. Examine surfaces scheduled to receive insulation for voids, projections, foreign substances, lack of caulking at plates or other items, which might interfere with integrity of complete wall system.
- b. Assure that adjacent materials are dry and ready to receive insulation.
- c. Verify mechanical and electrical services within walls have been tested.
- d. Provide a written report to the architect, builder or general contractor listing conditions detrimental to performance of work in this section. Do not proceed until unsatisfactory conditions are corrected.

3.2. PREPARATION

- a. Provide masking, drop cloths, or other satisfactory coverings for materials/surfaces that are not to be insulated.
- b. Coordinate installation of the sprayed cellulose fibers with work of other trades in order to avoid affecting their work or insulation installer.

3.3. INSTALLATION

- a. Comply with manufacturer's instructions for particular conditions of installation.
- b. Wear proper clothing and eye protection. For breathing protection, use a NIOSH approved N95 or higher disposable or reusable particulate respirator such as a 3M model #8210 or #8511 or equivalent (reference ASTM C1015).
- c. Install FTI 2H FIREWALL according to manufacturer's specification.
- d. Drying time varies due to local climate conditions including temperature, humidity and installed moisture. Do not cover the insulation until the insulation moisture level reaches 19% or less. Moisture levels can be calculated using a moisture meter.
- e. Cure insulation with continuous natural or mechanical ventilation. Do not use kerosene or propane space heaters.

3.4. CLEANUP

- a. Remove and dispose of sprayed material from surfaces not specifically required to be insulated.
- b. Broom-clean work areas affected by the work of this section.

3.5. WARRANTY

- a. Complete FTI 2H FIREWALL installation checklist and return to manufacturer for receipt of product warranty certificate.

END OF SECTION