

Part 1 – General

1.01 Product Identification:

Fire retardant structural panels shall be rated as Class A (I) and listed with follow-up inspection provided by an independent laboratory accepted by the building code. The product shall be recognized by a current evaluation of compliance from the building code. Each piece shall bear the imprint of the manufacturer, the listing laboratory, and the reference to the code evaluation report.

Part 2 – Product

2.01 Structural: The fire retardant structural panels shall be APA Rated Sheathing, Exterior, and bear the APA span rating.

2.02 Fire Retardant Performance:

1. Fire retardant panels shall have a Class A (I) flame spread index (less than 25) with 10-1/2' maximum flame front advance when tested in accordance with ASTM E-84 extended, after accelerated aging for 56 days at 170° F and 65% RH. In addition, for all exterior applications the E-84 test shall be done subsequent to ASTM D2898 and Class A (I) with 10-1/2' maximum flame front advance achieved.
2. The fire resistance rating of the panel shall be a minimum of 15 minutes as estimated by ASTM E119.

3. Carbon steel, galvanized steel, aluminum, copper and red brass in contact with the fire retardant panel must exhibit corrosion rates less than one mil per year when tested in accordance with Federal Specifications MIL-L-19140E Paragraph 4.6.5.2.
4. The fire retardant panel shall not contain toxic or hazardous materials as defined by the U.S. Environmental Protection Agency. The products of combustion from the panel shall exhibit lower than or equal to wood as measured by the test methodology detailed in Article 15, Part 1120 – Combustion Toxicity Testing of the New York State Fire Prevention and Building Code and in Testing Agency Advisory Bulletin #1.

Part 3 – Execution

3.01 Installation: Install in accordance with APA Design / Construction Guide E30L.

