

Tectum structural roof deck products usually can be substituted for roof decks required to be non-combustible. Tectum products have been tested in accordance with ASTM E-84, with a flame spread index of 25 or less and showed no evidence of significant progressive combustion, when the test is continued for an additional twenty (20) minute period. In addition, the flame front has not progressed more than 10 feet and thus meets the model code fire test requirements of fire retardant treated wood.

Fire retardant treated woods have been used over eighty (80) years. Tectum products have been used for over fifty (50) years.

Tectum interior products qualify as a Class A/I interior finish because they have a flame-spread index of 25 or less. Class A/I interior finishes can be used in all types of construction.

ICC-ES Evaluation Report ESR-1112 (See full report for conditions of use available on www.tectum.com/roofdeck)

THE INTERNATIONAL CODE ALLOWS FIRE RETARDANT TREATED WOOD TO BE USED AS AN ALTERNATIVE FOR NON-COMBUSTIBLE MATERIALS in certain applications. Tectum I, Tectum III and Tectum E panels can be substituted for non-combustible materials in the roofs of buildings requiring non-combustible construction where the design loads conform to the Tectum substrate. **Exception:** In buildings of Type I construction exceeding two stories in height, fire-retardant-treated wood is not permitted in roof construction when the vertical distance from the upper floor to the roof is less than 20 feet. It also can be used unprotected in assembly, business, education, and residential occupancies when the roof decks can be exposed under these conditions. Tectum decks are permitted in non-combustible type construction where heavy timber building is permitted.

Heavy timber decks are permitted in non-combustible where one (1) hour or less fire resistant rating is required. Tectum decks 1 3/4" or thicker can be used as heavy timber where the roof deck is a minimum of 20 feet above the floor.