

Seattle Fire Department

Permit Conditions

2801

Combustible Fiber Storage

- Combustible fibers not in suitable bales or packages (i.e. loose fibers) whether housed or in the open, shall not be stored within 100 feet of any structure except when stored in accordance with the following:

Amount of Material (cubic feet)	Method of Storage
0-100 cubic feet	In metal or metal-lined bin equipped with self-closing lid
More than 100-500 cubic feet	In a room enclosed with 1-hour fire-resistance-rated fire barriers, with openings protected by an approved opening protective assembly having a fire protection rating of ¾ hour.
More than 500-1,000 cubic feet	In a room enclosed with 2-hour fire-resistance-rated fire barriers, with openings protected by an approved opening protective assembly having a fire protection rating of 1-1/2 hours.
More than 1,000 cubic feet	Shall be stored in rooms enclosed with 2-hour fire-resistance-rated fire barriers, with opening protected by an opening protective assembly having a fire protection rating of 1 ½ hours and shall be protected by an automatic sprinkler system.

- A single block or pile of baled fiber shall not contain more than 25,000 cubic feet of fiber exclusive of aisles or clearances. [2009 SFC 2905.1]
- Blocks or piles of baled fiber shall be separated from adjacent storage by aisles not less than 5 feet wide, or by flash-fire barriers consisting of continuous sheets of noncombustible material extending from floor to a height of at least one foot above the highest point of piles and protecting at least one foot beyond the sides of the piles. [2009 SFC 2905.1]
- A clearance of not less than 3 feet shall be maintained between sprinkler heads and the tops of piles. [2009 SFC 2903.3]
- Storage of agricultural products shall be limited to stacks of 100 tons each. Either an approved one-hour occupancy separation constructed as specified in the Building Code or a clear space of 20 feet shall be maintained between stacks [2009 SFC 2903.4]
- Equipment or machinery within a building which generates or emits combustible fibers shall be provided with an approved dust-collecting and exhaust system. [2009 SFC 2903.5]
- "NO SMOKING" signs shall be conspicuously posted in storage areas. Signs shall be made of a durable material with lettering on a contrasting background. Letters shall be not less than 3-inches in height and 1/2-inch in stroke. [2009 SFC 310.3]
- At least one portable fire extinguisher having a minimum rating of 2A 40B shall be provided a maximum travel distance of 75 feet. [2009 SFC 906]