

CHECKLIST FOR TIRE STORAGE

All code references are to NFPA 231D, unless otherwise noted.

- 1) Y _____ N _____ N/A _____
Storage exceeding 15-20 feet in height: Columns shall have a 1-hour fire resistance rating for the entire length of the column, or one sidewall sprinkler shall be directed to one side of the column at a 15 foot level. (2-1.2)
- 2) Y _____ N _____ N/A _____
Storage exceeding 20 feet in height: Columns should have a 2-hour fire resistance rating for the entire length of the column, including connections with structural members; or two sidewall sprinklers, one at the top of the column and the other at a 15-ft. level, shall be directed to the side of the column. (2-1.2)
- 3) Y _____ N _____ N/A _____
Four-hour firewalls shall be provided between the tire warehouse and tire manufacturing areas. Shall be designed in accordance with NFPA 221. (2-2)
- 4) Y _____ N _____ N/A _____
Piles shall not be more than 50 feet in width. (3-1.1)
- 5) Y _____ N _____ N/A _____
The width of the main aisles between piles shall not be less than 8 feet. (3-1.2)
- 6) Y _____ N _____ N/A _____
The clearance from the top of storage to sprinkler deflectors shall be not less than 3 feet. (3-2.1)
- 7) Y _____ N _____ N/A _____
Storage clearances in all directions from roof surfaces shall not be less than 18 inches. (3-2.2)
- 8) Y _____ N _____ N/A _____
Storage clearance from unit heaters, radiant space heaters, duct furnaces, and flues shall not be less than 3 feet. (3-2.4)
- 9) Y _____ N _____ N/A _____
Clearance shall be maintained to light or light fixtures to prevent possible ignition. (3-2.5)
- 10) Y _____ N _____ N/A _____
Not less than 24 inches of clearance shall be maintained around the path of the fire door travel unless a barricade is provided. (3-2.6)

- 11) Y _____ N _____ N/A _____
Stored tires shall be segregated from other combustible storage by aisles at least 8 feet wide. (3-3)
- 12) Y _____ N _____ N/A _____
Automatic sprinklers shall be installed in accordance with NFPA 13. (4-1.1)
- 13) Y _____ N _____ N/A _____
The required sprinkler protection in buildings used in part for storage shall extend 15 feet beyond the perimeter of the tire storage area. (4-1.3)
- 14) Y _____ N _____ N/A _____
In-rack sprinklers, where provided, shall be installed in accordance with NFPA 231C. (4-1.4.1)
- 15) Y _____ N _____ N/A _____
The maximum horizontal spacing of sprinklers in racks shall be 8 feet. (4-1.4.2)