



Fairfield Fire Department
Fire Prevention Division
1200 Kentucky Street, Fairfield, CA 94533
Phone (707) 428.7375

NON-SPRINKLERED TIRE SHOPS and STORAGE
STD# 14-24 Effective Date: 01/01/2024

SCOPE

This standard is established to ensure the safe and compliant storage of tires indoors, in existing buildings without fire sprinkler systems and in outdoor areas. Storage arrangements depicted in this standard are to minimize fire risks and promote the safety of occupants, firefighters, and property.

PLANS

All plans submitted for permit shall meet the Fairfield Fire Prevention Bureau Standard 20-24. Plans shall include but not limited to the following:

1. Fire department access
2. Location of fire hydrants
3. Building footprint and floor plan showing exits and access doors
4. Floor plan showing materials storage arrangement

INDOOR SPECIFICATIONS

1. Tire storage rooms or areas shall be provided with a minimum of two exits. Exits shall be located on opposite walls or corners of the storage room/area.
2. Tire storage rooms shall be provided with illuminated exit signage.
3. Tire storage rooms shall be provided with emergency egress lighting.
4. Tire storage rooms shall not contain unrelated flammable/combustible



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materials or ignition sources.

5. Indoor tire storage in existing buildings without sprinklers shall be limited to:
 - a) Maximum area of 2500 square feet continuous or cumulative within a single building
 - b) Maximum pile dimensions of 50'x50' including aisles.
 - c) Tires in piles shall be limited to 6' in height.
 - d) Tires in racks shall be limited to 6' in height.
 - e) Tire piles shall be arranged to provide access from the aisles.

STORAGE IN NON-PERMANENT CONTAINERS

1. Tires stored in sea crates, cargo containers, truck trailers or similar non-permanent or portable containers shall conform to the following,
 - a. Containers shall be approved by planning and building before being placed on the property or used for tire storage.
 - b. Containers for tire storage shall not store any other combustible or flammable materials.
 - c. Containers used for tire storage shall not have electrical power.
 - d. Containers shall be tight closing and lockable. Doors shall remain closed unless actively accessing tires.

OUTDOOR SPECIFICATIONS

Outdoor tire storage shall be limited to:

2. Piles shall be a minimum of 10 feet from buildings, property lines or other combustible materials.
3. Maximum area of 2500 square feet.
4. Piles dimensions of 50'x50' including aisles.



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5. Tires in piles shall be limited to 6' height tires shall be arranged to provide access from aisles.

PILING PROCEDURES

1. Tires may be stored on racks, on tread or on side.
2. No arrangements shall exceed 6' in height.
3. Piles shall be stable and not prone to tipping, falling, or collapsing.
4. Piles shall not be laced.
5. Piles located along a wall shall be not more than 1 tire in width.
6. Tires shall be limited to 1 tire depth adjacent to an aisle.
7. Tire piles may be "back-to-back" where an aisle serves each side.
8. The width of the main aisles between piles shall not be less than 42 inches.
9. The width of the internal aisles shall be not less than 36 inches.
10. Storage clearance from roof structures shall be not less than 24 inches.
11. Stored tires shall be segregated from other combustible storage by a distance not less than 8 feet.