

Exception: Group H-2, H-3, H-4 or H-5 occupancies shall be separated from all other occupancies in accordance with Section 508.3.3.

2006 International Building Code® / CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS / SECTION 508 MIXED USE AND OCCUPANCY / 508.3 Mixed occupancies. / 508.3.3 Separated occupancies.

508.3.3 Separated occupancies.

Buildings or portions of buildings that comply with the provisions of this section shall qualify as separated occupancies.

2006 International Building Code® / CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS / SECTION 508 MIXED USE AND OCCUPANCY / 508.3 Mixed occupancies. / 508.3.3 Separated occupancies. / TABLE 508.3.3 REQUIRED SEPARATION OF OCCUPANCIES (HOURS)

**TABLE 508.3.3
REQUIRED SEPARATION OF OCCUPANCIES (HOURS)**

OCCUPANCY	A ^e , E		I		R ^d		F-2, S-2 ^{c,d} , U ^d		B ^b , F-1, M ^b , S-1		H-1		H-2	
	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS	S	NS
A ^e , E ^e	N	N	1	2	1	2	N	1	1	2	NP	NP	3	4
I	—	—	N	N	1	NP	1	2	1	2	NP	NP	3	NP
R ^d	—	—	—	—	N	N	1	2	1	2	NP	NP	3	NP
F-2, S-2 ^{c,d} , U ^d	—	—	—	—	—	—	N	N	1	2	NP	NP	3	4
B ^b , F-1, M ^b , S-1	—	—	—	—	—	—	—	—	N	N	NP	NP	2	3
H-1	—	—	—	—	—	—	—	—	—	—	N	NP	NP	NP
H-2	—	—	—	—	—	—	—	—	—	—	—	—	N	NP
H-3, H-4, H-5	—	—	—	—	—	—	—	—	—	—	—	—	—	—

For SI: 1 square foot = 0.0929 m².

S = Buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.

NS = Buildings not equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.

N = No separation requirement.

NP = Not permitted.

a. For Group H-5 occupancies, see Section 903.2.4.2.

b. Occupancy separation need not be provided for storage areas within Groups B and M if the:

1. Area is less than 10 percent of the floor area;
2. Area is equipped with an automatic fire-extinguishing system and is less than 3,000 square feet; or
3. Area is less than 1,000 square feet.

c. Areas used only for private or pleasure vehicles shall be allowed to reduce separation by 1 hour.

d. See Section 406.1.4.

e. Commercial kitchens need not be separated from the restaurant seating areas that they serve.

I-Quest 2006 Codes Complete Collection

NL = Not Limited; N/A = Not Applicable; UD = Unclassified Detonable

- a. For use of control areas, see Section 414.2.
- b. The aggregate quantity in use and storage shall not exceed the quantity listed for storage.
- c. The quantities of alcoholic beverages in retail and wholesale sales occupancies shall not be limited providing the liquids are packaged in individual containers not exceeding 1.3 gallons. In retail and wholesale sales occupancies, the quantities of medicines, foodstuffs, consumer or industrial products, and cosmetics containing not more than 50 percent by volume of water-miscible liquids with the remainder of the solutions not being flammable, shall not be limited, provided that such materials are packaged in individual containers not exceeding 1.3 gallons.
- d. Maximum allowable quantities shall be increased 100 percent in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1. Where Note e also applies, the increase for both notes shall be applied accumulatively.
- e. Maximum allowable quantities shall be increased 100 percent when stored in approved storage cabinets, day boxes, gas cabinets, exhausted enclosures or safety cans. Where Note d also applies, the increase for both notes shall be applied accumulatively.
- f. The permitted quantities shall not be limited in a building equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.
- g. Permitted only in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.
- h. Containing not more than the maximum allowable quantity per control area of Class IA, IB or IC flammable liquids.
- i. Inside a building, the maximum capacity of a combustible liquid storage system that is connected to a fuel-oil piping system shall be 660 gallons provided such system complies with the *International Fire Code*.
- j. Quantities in parenthesis indicate quantity units in parenthesis at the head of each column.
- k. A maximum quantity of 200 pounds of solid or 20 gallons of liquid Class 3 oxidizers is allowed when such materials are necessary for maintenance purposes, operation or sanitation of equipment. Storage containers and the manner of storage shall be approved.
- l. Net weight of the pyrotechnic composition of the fireworks. Where the net weight of the pyrotechnic composition of the fireworks is not known, 25 percent of the gross weight of the fireworks, including packaging, shall be used.
- m. For gallons of liquids, divide the amount in pounds by 10 in accordance with Section 2703.1.2 of the *International Fire Code*.
- n. For storage and display quantities in Group M and storage quantities in Group S occupancies complying with Section 414.2.4, see Tables 414.2.5(1) and 414.2.5(2).
- o. Densely packed baled cotton that complies with the packing requirements of ISO 8115 shall not be included in this material class.
- p. The following shall not be included in determining the maximum allowable quantities:
 - 1. Liquid or gaseous fuel in fuel tanks on vehicles.
 - 2. Liquid or gaseous fuel in fuel tanks on motorized equipment operated in accordance with this code.
 - 3. Gaseous fuels in piping systems and fixed appliances regulated by the *International Fuel Gas Code*.
 - 4. Liquid fuels in piping systems and fixed appliances regulated by the *International Mechanical Code*.

**2006 International Building Code® / CHAPTER 3 USE AND OCCUPANCY
 CLASSIFICATION / SECTION 307 HIGH-HAZARD GROUP H / [F] 307.1 High-hazard
 Group H. / [F] TABLE 307.1(2) MAXIMUM ALLOWABLE QUANTITY PER
 CONTROL AREA OF HAZARDOUS MATERIAL POSING A HEALTH HAZARD^{a, b, c, j}**

**[F] TABLE 307.1(2)
 MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIAL
 POSING A HEALTH HAZARD^{a, b, c, j}**

--	--	--	--

of hydrogen gas.

2006 International Building Code® / CHAPTER 4 SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY / SECTION 406 MOTOR-VEHICLE-RELATED OCCUPANCIES / 406.6 Repair garages.

406.6 Repair garages.

2006 International Building Code® / CHAPTER 4 SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY / SECTION 406 MOTOR-VEHICLE-RELATED OCCUPANCIES / 406.6 Repair garages. / 406.6.1

General.

Hubcap not a repair garage

406.6.1 General.

Repair garages shall be constructed in accordance with the *International Fire Code* and this section. This occupancy shall not include motor fuel-dispensing facilities, as regulated in Section 406.5.

2006 International Building Code® / CHAPTER 4 SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY / SECTION 406 MOTOR-VEHICLE-RELATED OCCUPANCIES / 406.6 Repair garages. / 406.6.2 Mixed uses.

406.6.2 Mixed uses.

Mixed uses shall be allowed in the same building as a repair garage subject to the provisions of Section 508.3.

2006 International Building Code® / CHAPTER 4 SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY / SECTION 406 MOTOR-VEHICLE-RELATED OCCUPANCIES / 406.6 Repair garages. / 406.6.3

Ventilation.

406.6.3 Ventilation.

Repair garages shall be mechanically ventilated in accordance with the *International Mechanical Code*. The ventilation system shall be controlled at the entrance to the garage.

2006 International Building Code® / CHAPTER 4 SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY / SECTION 406 MOTOR-VEHICLE-RELATED OCCUPANCIES / 406.6 Repair garages. / 406.6.4 Floor surface.

REPAIR GARAGES

no req. for
Hubcap

2006 International Fire Code® / CHAPTER 22 MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES / SECTION 2211 REPAIR GARAGES / 2211.1 General.

2211.1 General.

Repair garages shall comply with this section and the *International Building Code*. Repair garages for vehicles that use more than one type of fuel shall comply with the applicable provisions of this section for each type of fuel used.

Where a repair garage also includes a motor fuel-dispensing facility, the fuel-dispensing operation shall comply with the requirements of this chapter for motor fuel-dispensing facilities.

2006 International Fire Code® / CHAPTER 22 MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES / SECTION 2211 REPAIR GARAGES / 2211.2 Storage and use of flammable and combustible liquids.

2211.2 Storage and use of flammable and combustible liquids.

The storage and use of flammable and combustible liquids in repair garages shall comply with Chapter 34 and Sections 2211.2.1 through 2211.2.4.

2006 International Fire Code® / CHAPTER 22 MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES / SECTION 2211 REPAIR GARAGES / 2211.2 Storage and use of flammable and combustible liquids. / 2211.2.1 Cleaning of parts.

2211.2.1 Cleaning of parts.

Cleaning of parts shall be conducted in listed and approved parts-cleaning machines in accordance with Chapter 34.

2006 International Fire Code® / CHAPTER 22 MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES / SECTION 2211 REPAIR GARAGES / 2211.2 Storage and use of flammable and combustible liquids. / 2211.2.2 Waste oil, motor oil and other Class IIIB liquids.

2211.2.2 Waste oil, motor oil and other Class IIIB liquids.

Waste oil, motor oil and other Class IIIB liquids shall be stored in approved tanks or containers, which are allowed to be stored and dispensed from inside repair garages.

2006 International Fire Code® / CHAPTER 22 MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES / SECTION 2211 REPAIR GARAGES / 2211.2