

Table 13.2.: Indoor Storage of Liquids in Containers

ITEM	REQUIREMENTS
2. CONSTRUCTION OF THE ROOM	<ul style="list-style-type: none"> i. All storage rooms shall be constructed in accordance with Chapter 1. Construction, with fire rating requirements as per Table 13.2.a. ii. Exterior walls shall be constructed to provide ready access for fire-fighting operations by means of access openings, windows, or lightweight noncombustible wall panels. iii. All exterior doors shall have provision to open outside during emergency. iv. The opening protection shall comply with Chapter 1. Construction.

Table 13.2.a.: Construction of Storage Areas

TYPE OF STORAGE AREA	INTERIOR WALLS	EXTERIOR WALLS	ROOFS	DOOR FIRE RATING
1. INSIDE ROOMS—FLOOR AREA LESS THAN 15 m²	1 Hour			45 Minutes
2. INSIDE ROOMS—FLOOR AREA 15 m²—50 m²	2 Hour			90 Minutes
3. CUTOFF ROOMS- FLOOR AREA LESS THAN 30 m²	1 Hour		1 Hour	45 Minutes
4. CUTOFF ROOMS- FLOOR AREA MORE THAN 30 m²	2 Hour	2 Hour	2 Hour	90 Minutes
5. LIQUID WAREHOUSES, SPRINKLERED	2 Hour	2 Hour		90 Minutes

Table 13.2.: Indoor Storage of Liquids in Containers

ITEM	REQUIREMENTS
3. ACCEPTABLE CONTAINERS	<ul style="list-style-type: none"> i. Metal containers, metal intermediate bulk containers (IBS's), and metal portable tanks listed and approved for flammable liquids. ii. Plastic containers meeting the requirements of, and used for petroleum products, complying to Section 6. of this chapter. iii. Rigid nonmetallic IBC's and composite IBC's with rigid inner receptacles. They shall be listed and labeled to demonstrate suitability for indoor storage. iv. Small glass containers. v. Medicines and FMCG's (Fast Moving Consumer Goods) where packaged and approved by concerned authorities, according to commonly acceptable practice for retail sales. vi. Class IA and Class IB liquids shall be permitted to be stored in glass containers of not more than 5 L (1.3 gal) capacity, if the required liquid purity (such as ACS analytical reagent grade or higher) would be affected by storage in metal containers or if the liquid can cause excessive corrosion of the metal container.



FLAMMABLE AND COMBUSTIBLE LIQUIDS IN FMCG CONSUMER CONTAINERS FOR ILLUSTRATION

