



Table 1.9: Fire Resistance Separation and other requirement of incidental accessory /Occupancies.

INCIDENTAL ACCESSORY ROOMS AND OCCUPANCIES	REQUIRED SEPARATION WITH AUTOMATIC FIXED FIRE PROTECTION SYSTEM	REQUIRED SEPARATION WITHOUT AUTOMATIC FIXED FIRE PROTECTION SYSTEM	OTHER CONSTRUCTION AND PROTECTION REQUIREMENTS (See Chapter 9 for Fire Protection requirements Chapter 10 for smoke control requirements)
<p>29. GROUP A STORAGE EXPLOSIVES, DETONABLE PYROPHORIC MATERIALS, BLASTING AGENTS < 100 KG</p> <p>More than 100 kg shall have risk assessment and shall comply with Chapter 13, NFPA 5000 and NFPA 294.</p>	2 Hour	2 Hour	<p>i. Storage shall be in a separate building without basements and a maximum of one floor.</p> <p>ii. This dedicated building shall be minimum of 23 m away from other buildings and property line.</p> <p>iii. Separation and Compartmentation shall be complete with walls, floor, roof and opening protection.</p> <p>iv. Door shall be 90 minutes fire rated, self closing and directly outside available on Fire accessway.</p> <p>v. Rolling shutters shall be 90 minutes rated and shall be closed automatically upon receiving fire signal.</p> <p>vi. Vapor exhaust system shall be provided.</p> <p>vii. Steel structure fire rating shall not be required.</p>
<p>30. GROUP A STORAGE MATERIALS STORE ROOM (FLAMMABLE AND COMBUSTIBLE MATERIALS) > 93 M² IN AREA.</p> <p>Rooms exceeding MAQ, as per chapter 13, shall have risk assessment and shall comply with Chapter 13, NFPA 5000 and NFPA 30.</p>	1 Hour	2 Hour	<p>i. Storage room shall be 9 m away from property line.</p> <p>ii. Storage room shall not be in the basement.</p> <p>iii. Separation and Compartmentation shall be complete with walls, floor, roof and opening protection.</p> <p>iv. Door shall be 90 minutes fire rated, self closing and directly outside available on Fire accessway..</p> <p>v. Rolling shutters shall be 90 minutes rated and shall be closed automatically upon receiving fire signal.</p> <p>vi. Vapor exhaust system shall be provided.</p> <p>vii. Steel structure fire rating shall not be required.</p>



HIGH HAZARD WAREHOUSES FOR ILLUSTRATION