



**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)
55. AIRCRAFT HANGER	1 Hour	1 Hour	<ul style="list-style-type: none"> <li>i. Fire resistance separation are from aircraft hangers and adjoining occupancies, other than service and equipment rooms.</li> <li>ii. Equipment, Service rooms shall be separated from hangers by 2 hour fire rated construction.</li> <li>iii. All main steel columns shall be coated to achieve fire resistance rating of 2 hours. Such fire coating material shall resist the effects of Foam or other fire suppressing agents.</li> <li>iv. Roofing shall be Class A or Class B. See section 7 for approved roof coverings.</li> <li>v. Minimum of 15 m clear space shall be maintained around the aircraft hanger. Such clear space shall not be used for parking of aircraft or storage.</li> <li>vi. Exterior walls located less than 9 m from plot lines shall be of 2 hour fire resistance rated.</li> <li>vii. Group I Aircraft Hanger (Where aircraft access door height exceeds 8.5 m OR single fire area, compartment exceeds 3716 m<sup>2</sup>) shall be of Type I OR Type II (222) construction.</li> <li>viii. Group II Aircraft Hanger (Where aircraft access door height is 8.5 m or less AND single fire area, compartment is less than 3716 m<sup>2</sup>) shall be of Type I for 2787 m<sup>2</sup>-3716 m<sup>2</sup> Fire area, of Type II (222) for 1858 m<sup>2</sup>-3716 m<sup>2</sup> Fire area, of Type II (111) for 1394 m<sup>2</sup>-3716 m<sup>2</sup> Fire area.</li> <li>ix. Group III Aircraft Hanger (Where aircraft access door height is 8.5 m or less, are restricted to single storey only) AND single maximum fire area, compartment allowed shall be 2787 m<sup>2</sup> for Type I construction, 1858 m<sup>2</sup> for Type II (222) construction, 1394 m<sup>2</sup> for Type II (111) construction, 1115 m<sup>2</sup> for Type II (000) construction.</li> <li>x. Group IV Aircraft hangers (Where construction is of membrane covered steel structure), shall be limited to single storey and membrane shall be tested and listed. See <b>Section 7</b>.</li> <li>xi. Construction, cluster of hangers, Flooring, Roofing, Fuel Safety, Lightening/Fire protection, Ventilation shall comply with <b>NFPA 409</b>, Aircraft Hangers.</li> </ul>