



7. Construction Material Test Standards, Approval and registration.

7.1. Acceptable Test Standards and criteria

7.1.1. All the Materials, Components, Systems, Assemblies, equipment, Products and Accessories, referred to in this chapter with respect to construction and Life Safety, Fire Safety and Emergency Services shall be Listed, Approved and Registered by the Civil Defence Material Approval Department.

7.1.2. There is no year of edition mentioned against any test standards. It is the intent of Civil Defence to convey to the customers seeking material tests and the test laboratories to follow the “LATEST EDITION OF THE TEST STANDARD, AS AND WHEN THEY ARE UPGRADED/REVISED/AMENDED, TO THE DATE.”

7.1.3. Fire resistance rating of Fire Walls/ Fire Barriers

- i. EN 1365-1: fire resistance tests for loadbearing elements. part 1: walls.
- ii. ASTM E 119, Standard Test Methods for Fire Tests of Building Construction and Materials
- iii. EN 1364-3, Fire resistance tests for non-loadbearing elements. Curtain walling. Full configuration (complete assembly)
- iv. EN 1364-4: Fire resistance tests for non-loadbearing elements - Part 4: Curtain walling - Part configuration
- v. EN 1364-1, Fire resistance tests for non-loadbearing elements - Part 1: Walls;
- vi. UL 263, Standard for Fire Tests of Building Construction and Materials.
- vii. NFPA 251, Standard methods of tests of fire resistance of building construction and materials.
- viii. BS 476-21: Fire tests on building materials and structures - part 21: Methods for the determination of the fire resistance of loadbearing elements of construction
- ix. BS 476-22: Fire tests on building materials and structures - part 22: Methods for the determination of the fire resistance of non-loadbearing elements of construction
- x. EN 1365-2 Fire classification of construction products and building elements. Classification using data from fire resistance tests, excluding ventilation services
- x. UL 1709, Construction elements with or without load: Beams, pillars, slabs, sealings, lockgates, ducts, walls, curtain walls, etc.
- xi. LPS 1208, LPCB fire resistance requirements for elements of construction used to provide Compartmentation.