



5.3. Glazing Testing and Acceptance

5.3.1. The requirement for fire rated glazing in any building shall be based on the Civil Defence approved Fire and Life Safety Drawings and strategy for the building, which identifies the following.

- a. The type of Fire resistance required according to EN standards or Fire resistance rating & Fire protection rating according to American standards.
- b. The duration of fire resistance required (30 min, 45 min, 60 min, 90 min, 120 min etc.)
- c. Whether the glazing should be 'integrity' only or 'integrity and insulation'.

5.3.2. The Glazing shall comply with the relevant general requirements of **Section 4.5.**,

Table 1.18: Glazing Test requirements.

GLAZING APPLICATION IN THE BUILDING	TEST A WHERE FIRE RESISTANCE RATING IS REQUIRED	TEST B SAFETY GLAZING TESTS (Resistance to impact either without breaking, or breaking in way such that persons may not sustain piercing or cutting injuries.)
1. NON LOAD BEARING CURTAINWALL WITH GLAZING,	<u>TESTED WITH ANY OF THE FOLLOWING, WHERE FIRE RESISTANCE RATING IS REQUIRED</u> Pass as assembly with NFPA 251 Pass as assembly with EN 1364-3 Pass as assembly with UL 263 Pass as assembly with ASTM E119	EN 12600 OR <u>ANY OF THE FOLLOWING</u> ANSI Z97.1, A FOR $< 0.9 \text{ m}^2$, B FOR $> 0.9 \text{ m}^2$ CPSC 16 CR 1202, I FOR $< 0.9 \text{ m}^2$, II FOR $> 0.9 \text{ m}^2$
2. NON LOAD BEARING WALLS	<u>TESTED WITH ANY OF THE FOLLOWING, WHERE FIRE RESISTANCE RATING IS REQUIRED</u> Pass as assembly with EN 1364-1 Pass as assembly with NFPA 251 Pass as assembly with UL 263 Pass as assembly with ASTM E119	EN 12600 OR <u>ANY OF THE FOLLOWING</u> ANSI Z97.1, A FOR $< 0.9 \text{ m}^2$, B FOR $> 0.9 \text{ m}^2$ CPSC 16 CR 1202, I FOR $< 0.9 \text{ m}^2$, II FOR $> 0.9 \text{ m}^2$
3. CEILING	<u>TESTED WITH ANY OF THE FOLLOWING, WHERE FIRE RESISTANCE RATING IS REQUIRED</u> Pass as assembly with EN 1364-2 Pass as assembly with NFPA 251 Pass as assembly with UL 263 Pass as assembly with ASTM E119	EN 12600 OR <u>ANY OF THE FOLLOWING</u> ANSI Z97.1, A FOR $< 0.9 \text{ m}^2$, B FOR $> 0.9 \text{ m}^2$ CPSC 16 CR 1202, I FOR $< 0.9 \text{ m}^2$, II FOR $> 0.9 \text{ m}^2$
4. LOAD BEARING ELEMENTS (FLOOR AND ROOF)	<u>TESTED WITH ANY OF THE FOLLOWING, WHERE FIRE RESISTANCE RATING IS REQUIRED</u> Pass as assembly with EN 1365-2 Pass as assembly with NFPA 251 Pass as assembly with UL 263 Pass as assembly with ASTM E119	EN 12600 OR <u>ANY OF THE FOLLOWING</u> ANSI Z97.1, A FOR $< 0.9 \text{ m}^2$, B FOR $> 0.9 \text{ m}^2$ CPSC 16 CR 1202, I FOR $< 0.9 \text{ m}^2$, II FOR $> 0.9 \text{ m}^2$