

5.4.2. Safety Glazing - Design / Specification

5.4.2.1. The Safety Glazing is required in critical locations (2,3,4,5,6,7,8 and 11) described in doors, side panels and low level glazing as shown in the **Figure 1.21 and 1.22.**

Critical locations in terms of safety.

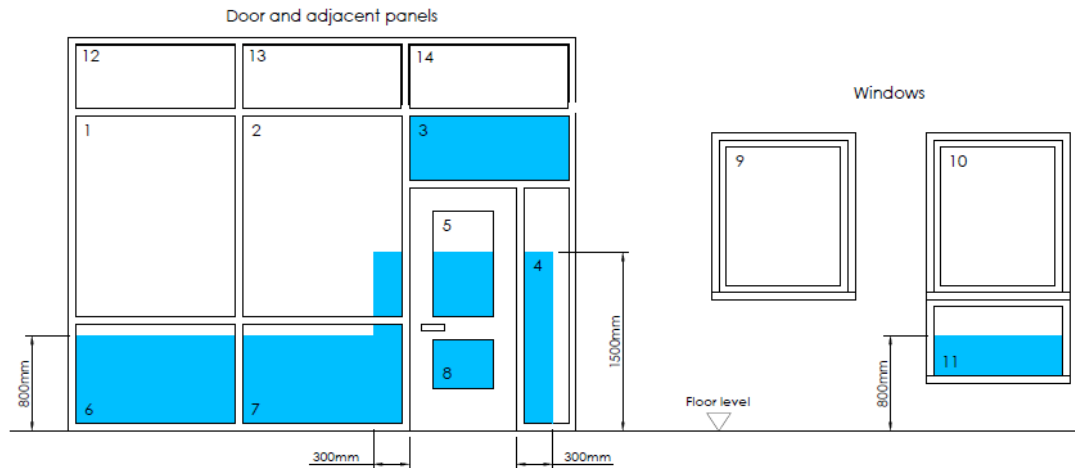


Figure 1.21.: Safety Glazing at Door and adjacent areas

Figure 1.22.: Safety Glazing at Windows

5.4.2.2. Minimum classification Requirements of safety glass or safety plastics to be used in critical locations (Such as Gymnasiums, places of energetic activities, play areas etc.,) shall be as per **Table 1.19.**

5.4.2.3. Where glazing is only accessible from one side (3.a, 4.a), the testing and classification can be from only that side.

Table 1.19: Minimum Classification for Safety Glazing requirements.

CRITICAL LOCATION	GLAZING PANE DIMENSION	SAFETY GLASS	SAFETY PLASTICS
1. DOORS	> 900 mm	2(β)Φ	Class B
	≤ 900 mm	3(β)Φ	Class C
2. DOOR SIDE PANEL	> 900 mm	2(β)Φ	Class B
	≤ 900 mm	3(β)Φ	Class C
3. FULLY BACKED MIRROR GLAZING (A)	> 900 mm	2(β)Φ	Class B
	≤ 900 mm	3(β)Φ	Class C
4. UNBACKED MIRROR GLAZING (A)	> 900 mm	2(β)Φ	Class Bo
	≤ 900 mm	3(β)Φ	Class Co
5. LOW LEVEL AREAS	Irrespective of pane dimensions	3(β)Φ	Class C
6. BATHING AREAS	Irrespective of pane dimensions	3(β)Φ	Class C
7. AREAS OF SPECIAL RISK	Irrespective of pane dimensions	3(β)Φ	Class C