

Approval & Reception Procedure

DMC – Departamento de Materiais de Construção	
Flat Tempered glass (2)	Document No. ARP/DMC/13
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1. Reference standard

GB 9962-1999 Laminated glass

GB 15763.2-2005 Safety glazing materials in building—Part 2: Tempered glass

2. Approval procedure

The following documents shall be submitted for approval :

Documents	Requirements
a) Design Specification	<ul style="list-style-type: none"> • Standard (e.g. ASTM, GB etc) • Type (e.g. Tempered, Laminated, Insulated, Low E) • Thickness • Heat soak treatment requirement for spontaneous breakage control
b) Manufacturer Catalogue	<ul style="list-style-type: none"> • The catalogue shall include the information about spontaneous breakage guarantee percentage, or formal declaration by the manufacturer
c) Recent Manufacturer Auto Control Test Reports	<ul style="list-style-type: none"> • Test Items shall at least include surface stress measurement, impact test and heat soak test. • Test reports shall be the latest within 1 year

Remark: Factory visit(s) may be required depends on the actual situation. In case of doubt, LECM has right to collect sample(s) from the factory for testing(s).

3. Reception procedure

3.1 Submission of documents

With the information below, delivery notes shall be submitted for verification when materials arrived on site. Moreover, if heat soak treatment is required, manufacturer's certificates of the delivered lot should be submitted as well.

1. Manufacturer

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2. Project

3. Product Specification

4. Quantity

5. Production lot identification

6. Compliance Declaration

3.2 Specification of the lot

Reception tests shall be taken when materials arrive on site, to verify if the properties of the tempered glass meet the requirement listed in Table 1.

Testing Item	Test Standards	Minimum Requirements
Impact resistance	GB 9962-1999	Laminated Glass –comply with GB 9962-1999
Shot bag Impact test	GB 9962-1999	Tempered Glass – comply with GB 15763.2-2005

3.3 Lot size

At every reception on site, a lot should be the glass in same brand, type, thickness and same delivery period.

Impact resistance test

Two samples of flat tempered glass from each lot, in the size of 10 mm(-0mm, +5 mm)X610 mm(-0 mm,+5 mm), with same thickness, type and same fabricating condition, shall be selected.

Shot bag Impact test

Two samples of rectangular flat tempered glass from each lot, in the size of 1930mm(-0mm,+ 5m m)X864 mm(-0 mm,+5 mm), with same thickness, type and same fabricating condition, shall be selected.

4. Acceptance criteria

Impact resistance test

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If the two samples pass the test, the lot can be accepted. If the two samples fail the test, the lot should be rejected.

If only one sample passes the test and another one fails, 2 additional samples will be selected to retest. The lot will be accepted only when these two additional samples passed. If not, the lot should be rejected.

Shot bag Impact test

If the two samples pass the test, the lot can be accepted. If the two samples fail the test, the lot should be rejected.

If only one sample passes the test and another one fails, 2 additional samples will be selected to retest. The lot will be accepted only when these two additional samples passed. If not, the lot should be rejected.