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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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**Safety glazing materials in building -- Part 4: Heat soaked
thermally tempered glass**
(English Translation)

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Foreword

Article 5.5, 5.6 and 5.7 in this Part are mandatory, the rest are recommendatory.

GB 15763 Safety glazing materials in building consists of four parts.

- Part 1.Fire-resistant glass;
- Part 2.Tempered glass;
- Part 3.Laminated glass;
- Part 4.Heat soaked thermally tempered glass.

This is part 4 of GB 15763.

This Part is not equivalent to EN 14179-1.2005 Glass in building - Heat soaked thermally toughened soda lime silicate safety glass - Part 1.Definition and description.

Annex A and Annex B of this Standard are normative; Annex C is informative.

This Standard was proposed by China Building Materials Federation.

This Standard shall be under the jurisdiction of National Technical Committee on Glass in

Building of Standardization Administration of China.

The responsible drafting organization is China Building Material Test & Certification Center.

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This Part is issued for the first time.

1 Scope

This Part specifies the terms and definitions, general provisions, requirements, test methods, inspection rules, marking, packaging, transportation and storage of heat soaked thermally tempered glass for building.

This Part of GB15763 applies to heat soaked thermally tempered glass in building. For those heat soaked thermally tempered glass not-used in building (e.g. industrial equipment, furniture, etc.), this standard may be served as reference if there is no corresponding product standard.

2 Normative References

The articles contained in the following documents have become part of this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB 15763.2 Safety glazing materials in building - Part 2.Tempered glass

3 Terms and definitions

For the purpose of this Part, following terms and definitions apply.

4 General principle

The quality of glass for production of heat soaked thermally tempered glass shall comply with the appropriate product standards.

5 Requirements

The performance and test methods for heat soaked thermally tempered glass shall be in accordance with those specified in Table 1.

5.1 Dimension and permissible deviation

It shall be in accordance with those specified in GB 15763.2.

5.2 Thickness and permissible deviation

It shall be in accordance with those specified in GB 15763.2.

5.7 Impact property of shot-bag

It shall be in accordance with those specified in GB 15763.2.

5.8 Surface stress

It shall be in accordance with those specified in GB 15763.2.

5.9 Heat shock resistance

It shall be in accordance with those specified in GB 15763.2.

5.10 Bending strength (four-point bending method)

With 95% confidence interval and 5% probability of damage, the bending stress of heat soaked thermally tempered glass shall meet the requirements in Table 2.

6.1 General principle

The inspection or measurement of size, thickness, appearance, bending, fragment state and surface stress shall be conducted with samples of finished products of heat soaked

thermally tempered glass.

6.2 Dimension inspection

It shall be in accordance with those specified in GB 15763.2.

6.3 Thickness inspection

It shall be in accordance with those specified in GB 15763.2.

6.4 Appearance quality inspection

It shall be in accordance with those specified in GB 15763.2.

6.5 Measurement of bending

It shall be in accordance with those specified in GB 15763.2.

6.10 Heat shock resistance performance

It shall be in accordance with those specified in GB 15763.2.

6.11 Bending strength (Four-point bending)

Testing according to annex B, and calculating the bending strength.

7.1 Inspection items

The inspection is classified into exit-factory inspection and type inspection.

7.1.1 Exit-factory inspection

Inspection items are thickness and its deviation, appearance quality, size and its deviation, and bending of heat soaked thermally tempered glass. Other test items shall be determined by the Supplier and the Purchaser through negotiation.

7.2.1 Thickness and its deviation, appearance quality, size and its deviation, and bending, of the product are subject to random sampling according to Table 3.

7.3.1 For other technical performances required by type inspection, if product inspection is used, random sampling shall be made from this batch of heat soaked thermally tempered glass products based on the number required by the test items; if samples are used for inspection, the heat soaked thermally tempered samples under the