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

**GB/T 6382-2026**

Replacing GB/T 6382.1-1995

**Flat glass containers**

平板玻璃集装箱器具

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## Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document

supersedes GB/T 6382.1-1995 "Plate Glass Containers - Rack-Type Containers and Their Test Methods" and GB/T 6382.2- 1995 "Flat Glass Containers - Box-type Containers and Test Methods Thereof". Compares with GB/T 6382.1-1995 and GB/T 6382.2-1995. Compared to previous versions, aside from structural adjustments and editorial changes, the main technical changes are as follows:

- a) The "Classification and Labelling" have been changed (see 4.1~4.2, 4.1~4.2 of GB/T 6382.1-1995);
- b) The "General Requirements" have been revised (see 5.1, GB/T 6382.1-1995, sections 6.1, 6.3.1.1, 6.3.1.2, 6.3.1.4, and 6.3.2~6.3.7);
- c) The "Dimensions" have been changed (see 5.2, GB/T 6382.1-1995).
- d) The requirements for "strength and stiffness" have been changed (see 5.4, 6.3.8 of GB/T 6382.1-1995);
- e) The "Test Methods" have been changed (see Chapter 6, Chapter 7 of GB/T 6382.1-1995);
- f) The "Inspection Rules" have been amended (see Chapter 7, Chapter 8 of GB/T 6382.1-1995);
- g) Added "Marking, Packaging, Transport and Storage" (see Chapter 8);
- h) Container containers and their test methods (see GB/T 6382.2-1995) have been removed. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the China Building Materials Federation. This document is under the jurisdiction of the National Technical Committee on Standardization of Architectural Glass (SAC/TC255). This document was drafted by: China Building Materials Glass New Materials Research Institute Group Co., Ltd., China Building Materials International Engineering Group Co., Ltd., and Qinhuangdao. Island Glass Industry Research and Design Institute Co., Ltd. The main drafters of this document are. Peng Shou, Tao Ligang, Li Chunxiao, Ding Yuxiang, Zhang Yangping, Wu Xueliang, Jiang Longyue, Cheng Ming, Li Yuhan, and Ge Zhiliang. Duan Meijiang, Liu Yuanmiao, and Teng Teng. The document replaced by this document has been released in the following versions.

---GB/T 6382.1, first published in 1986, first revised in.1995;

---GB/T 6382.2, first published in 1986, first revised in.1995;

## 4.1 Classification

4.1.1 Containers are classified according to their structural characteristics as follows:

- a) Fixed container (GD). Its shape and volume remain unchanged whether loaded or

unloaded;

b) Foldable container (ZD). When unloaded, the main components can be folded for storage and unfolded when needed;

c) Disassembled container (CJ). When not loaded, the main components can be disassembled into several parts for storage and then reassembled when needed.

4.1.2 Containerized equipment is classified according to its type characteristics as follows:

a) L-shaped (L). Usually consists of two vertical frames, resembling the letter "L";

b) Type A (A). The two sides are sloping support frames, and the top is fixed by a crossbeam, resembling the letter "A";

c) H-type (H). It consists of two vertical columns and a central crossbeam, resembling the letter "H".

4.1.3 The total weight series of containerized equipment includes five types. 1250kg, 2500kg, 3000kg, 4000kg, and 5000kg.

## 5.1 General Requirements

5.1.1 General requirements for stationary containerized containers.

a) The container should have complete parts and be of qualified quality;

b) Containers and packaging materials should be kept dry and clean, including shock-absorbing materials and packaging materials in direct contact with glass. The material should not have a corrosive effect or other harmful effects on glass;

c) The structure of the container should facilitate manual or mechanical loading or unloading of glass, and should not have any protruding parts that would obstruct operation;

d) The lifting, lowering, and moving of containerized equipment should facilitate the operation of handling machinery;

e) Containers with stacking capabilities shall be equipped with stacking positioning devices, and shall be stable and secure within the specified permitted stacking layers. Safe and reliable, easy to stack.

5.1.2 General requirements for folding containerized containers.

a) Meets all requirements of 5.1.1;

b) The connection between foldable components and the frame should be reliable and secure;

c) The folded frame has a neat shape, strong overall structure, and is easy to stack, store, move, and transport;

d) When folded or unfolded into a frame, the operation is simple, safe, quick, and without any obstruction or jamming.

#### 5.1.3 General requirements for disassembled containerized equipment.

a) Meets all requirements of 5.1.1;

b) Detachable components should be equipped with a device for secure connection to the frame, and should be easy to operate and inspect;

### 5.3 Flatness

5.3.1 The surface of the backing plate should be flat, and the flatness error within a 100mm spacing range should not exceed 0.5mm; when the length of the backing plate is not greater than... When the length of the support plate is 1800mm, the total flatness error should not exceed 2.0mm; when the length of the support plate is greater than 1800mm, the total flatness error should... No more than

5.3.2 The upper surface of the base plate should be flat, and the total flatness error should not exceed 3.0mm.

5.4 Strength and Stiffness The strength and rigidity requirements of containerized equipment shall comply with the provisions of Table 2.

5.5 Shock Absorption and Cushioning To verify the shock absorption and cushioning effect of containerized containers during normal transportation, loading, unloading, and storage, a shock absorption and cushioning test should be conducted. Containerized containers The following situations should not occur after the shock absorption test.

a) The frame's shape and structure exhibit permanent deformation or distortion that affects its use;

b) The weld is cracked or has detached;

c) The fork slots are deformed, affecting the operation of the forklift;

d) There is a jamming issue when opening or closing the side window;

e) The glass clamping device is deformed or distorted, affecting its use, and may cause jamming during operation;

f) Damage to hinges, connectors, and other components of folding and disassembly-type container equipment, causing obstruction during operation;

g) Damaged or detached shock-absorbing components.

### 6.1 External Dimensions

6.1.1 Sample A container appliance product was used as a sample.