 够力拉® 掌握AG玻璃盖板核心技术	Anti-uv reliability test report	Test Time: July 2nd, 2023 - August 13th, 2023
Prepared: ZXH	Approved: Lee	HN-TD-QW-006, Rev: A1

1. Scope of application

The quality specifications and requirements described in this document apply to the glass covers provided by Gelivable®.

2. Objective:

Test the UV resistance of the ink to see if it meets the requirements for outdoor use.

3. Definition:

Scratch: The length and width of the indentation on the glass surface. Protrusion: Any defect that protrudes from the surface of the glass.

Chipping: The rough and concave area that occurs when the edge of glass peels off or breaks.

Dirt: Wiping and non-wiping dirt on the glass surface.

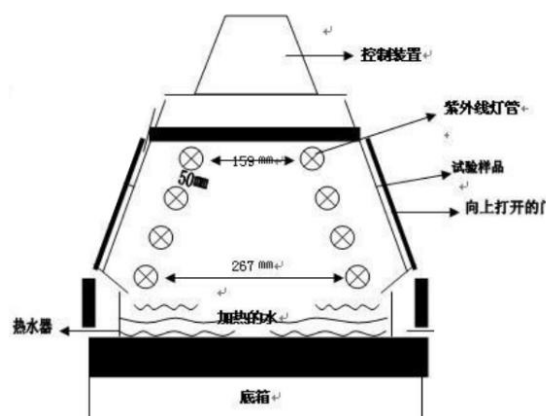
4. Test equipment name:

Model HT-ZW-1300S Ultraviolet Accelerated Weathering Testing Machine.




Test requirements


- 1).Lamp tube: Philips UVA340
- 2).Power requirement: 1.23W/m²/nm, TL60 W@340
- 3).Cycle mode: 8 hours of radiation and 2 hours of condensation, recorded as 1 cycle
- 4).Cycle count: 125 times
- 5).Radiation temperature: 60°
- 6).Condensing temperature: 50°
- 7).Condensing humidity: 90°




5. Test object: GLL black/white /IR/ semi-transparent black ink

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6. Preparation before the experiment



 深圳市够力拉防眩光玻璃技术有限公司

抗紫外线测试仪运行状态卡

序号	时间	P1 辐射状态时紫外 光灯常亮	P2 辐射强度显示 1.23W/m²	P3 辐射温度60°C	P4 冷凝温度50°C	P5 循环次数	P6 水箱	P7 运行时间	异常处理登记
1									
2									
3									
4									
5									
6									
7									
8									



Half of the test product is exposed, and the other half is covered with a black cloth (an opaque item can be used as a substitute);

The product is fixed on the fixture with double-sided tape;

Number the products;

Make an operation status card for the UV resistance tester to record the data of subsequent tests.


7. Set parameters and start

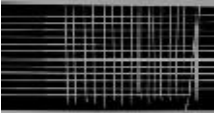


The product fixed on the fixture is mounted on the test board;

Set the machine parameters according to the inspection requirements and turn on the equipment ;

Confirm the status of the UV lamp.

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8. The test results are as follows :

Ink number	Ink Color	Result determination criteria: Ink adhesion per 100 grids $\geq 4B$, no obvious color difference of the ink, and no surface cracking, peeling, or bubble protrusion.			Attached Figures
		240H	1000H	1250H	
GSG460LL	black	OK	OK	OK	
GSG460LL	white	OK	OK	OK	
GLLV3	Semi-transparent /black	OK	OK	OK	
GLLV3	IR	OK	OK	OK	