



起达纳米  
QIDA NANO

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**SHENZHEN QIDA NANO**

**TECHNOLOGY LIMITED**

## PRODUCT INTRODUCTION

# GW101 Nano transparent heat insulation glass coating

GW101 is light blue full transparency, high hardness, super thermal insulation of liquid material, construction quick and easy, coating non toxic, with specially strong penetration can be permanently attached to the glass surface, the best way to compliance option can be widely used in architectural glass(curtain wall), automotive glass, train glass and so on, it can make normal glass get heat insulation effect, energy saving and environment friendly.



Fig1. GW101 real product photo show



Fig2.After coated the glass with GW101,UV cut rate 100%,IR cut rate above 90%and VLT(Visible Light Transmittance)is 74%tested by spectrum transmission meter(950nm).

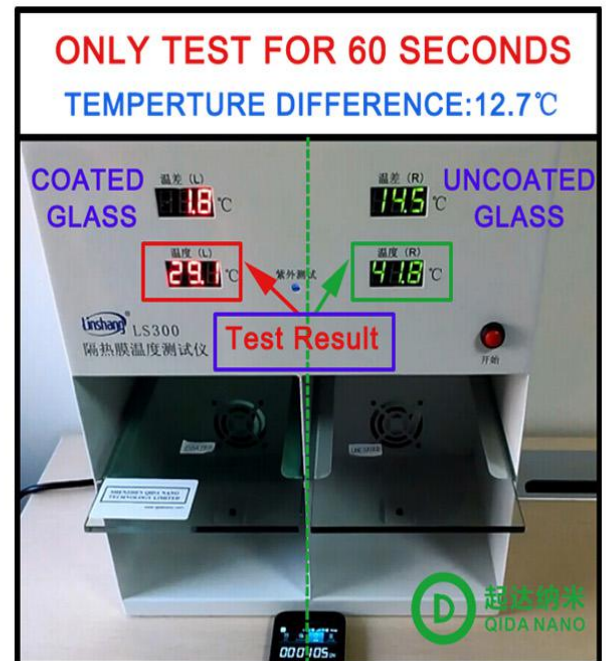
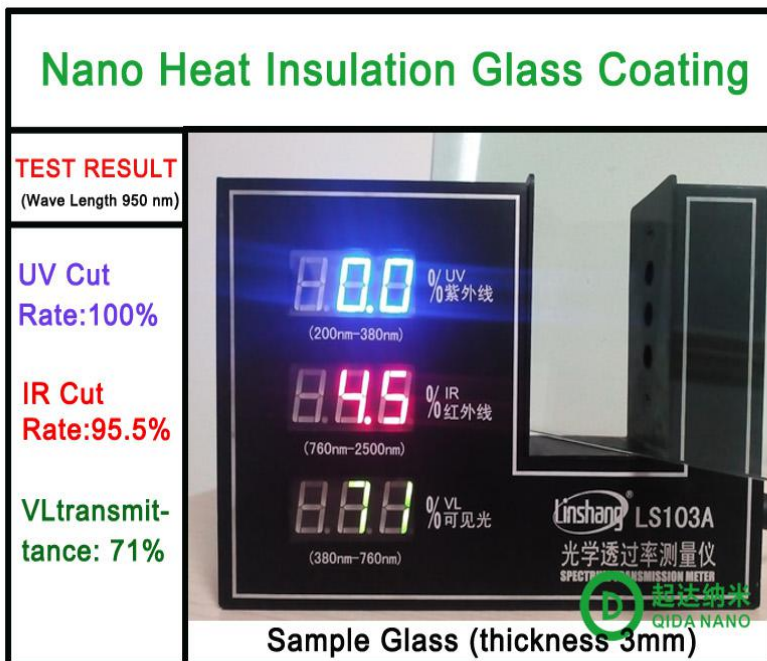
## CHARACTERISTICS

Name	Parameters
Appearance	Transparent Blue Liquid
Main ingredients	WO <sub>3</sub>
IR cut rate	Above90%
UV cut rate	100%

## GW101 Nano transparent heat insulation glass coating

VLT(Visible light transmittance)	68%-76%
Shading Coefficient(SC)	0.4-0.67
Hardness	8--9H
Adhesion	0 Level
PH	7.0±0.5
Density	0.9-1.1 g/cm <sup>3</sup>
Durability	Above 15 years
Coverage	38-45m <sup>2</sup> /kg
Environmental protection	No heavy metals, Non-toxic
Solvent Type	Oil Solvent
Energy saving	Above 30%

## PRODUCT PERFORMANCE TEST RESULTS SHOW



## COMPARED WITH OTHER SIMILAR PRODUCTS

**Our company products:**

Manufacturer	Product Name	Glass Thickness	UV cut rate	IR cut rate	VL transmittance
<b>SHENZHEN QIDA NANO TECHNOLOGY LIMITED</b>	<b>GW101 Nano Heat Insulation Glass Coating</b>	<b>5mm</b>	<b>100%</b>	<b>95.5%</b>	<b>71%</b>

## FUNCTIONS

- ◆ **Insulation:** Insulation coating nano materials effectively blocking the sunlight in the infrared and ultraviolet rays penetrate glass and glass-coated surface of the thin barrier of the indoor heat conduction leak through the glass to keep room temperature.
- ◆ **Transparency:** Heat insulation coating to the formation of nano-materials in the glass surface of about 7-9 micron thin coating to enhance the visible glass.
- ◆ **Environmental Protection:** Insulation film is not benzene, ketones, esters and other ingredients harmful substances, green environmental protection, in line with national environmental quality standards
- ◆ **Health:** Effective blocking 100% UV and more than 95% Infrared Red light, reducing the hazards to human and furniture.
- ◆ **Energy-saving:** The effect of thermal insulation to extend the indoor temperature and outdoor temperature balanced movements to reduce the number of air-conditioning cold or hot start, shield radiation up to 25-30% and energy saving above 30%.

## APPLICATION FIELDS & CONSTRUCTION METHODS

### Application fields

- For building glass, curtain wall, hotel, school, hospital, office building, living house etc.
- Widely used for vehicle glass .
- Used in PE, PET, PP.

### Construction Methods

- ◆ Brushing method
- ◆ Pouring method
- ◆ Spraying method
- ◆ Rolling method

## STORAGE & PACKAGE

### Storage

Close tightly, kept at normal temperature ventilated dry shade place, warranty period 12 months.

### Package



## CAUTION

Stored in cool dry place, take care of getting into mouth.

## CONTACT INFORMATION



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## OUR PRODUCTS



**SW101Nano**  
Tungsten Oxide  
Solution(WO<sub>3</sub>)



**SA101 Nano**  
Antimony Tin Oxide  
Solution(ATO)



**SH101Nano Indium**  
Tin Oxide  
Solution(ITO)



**ST101Nano**  
Titanium Dioxide  
Solution



**SZ101Nano**  
Zinc Oxide  
Solution