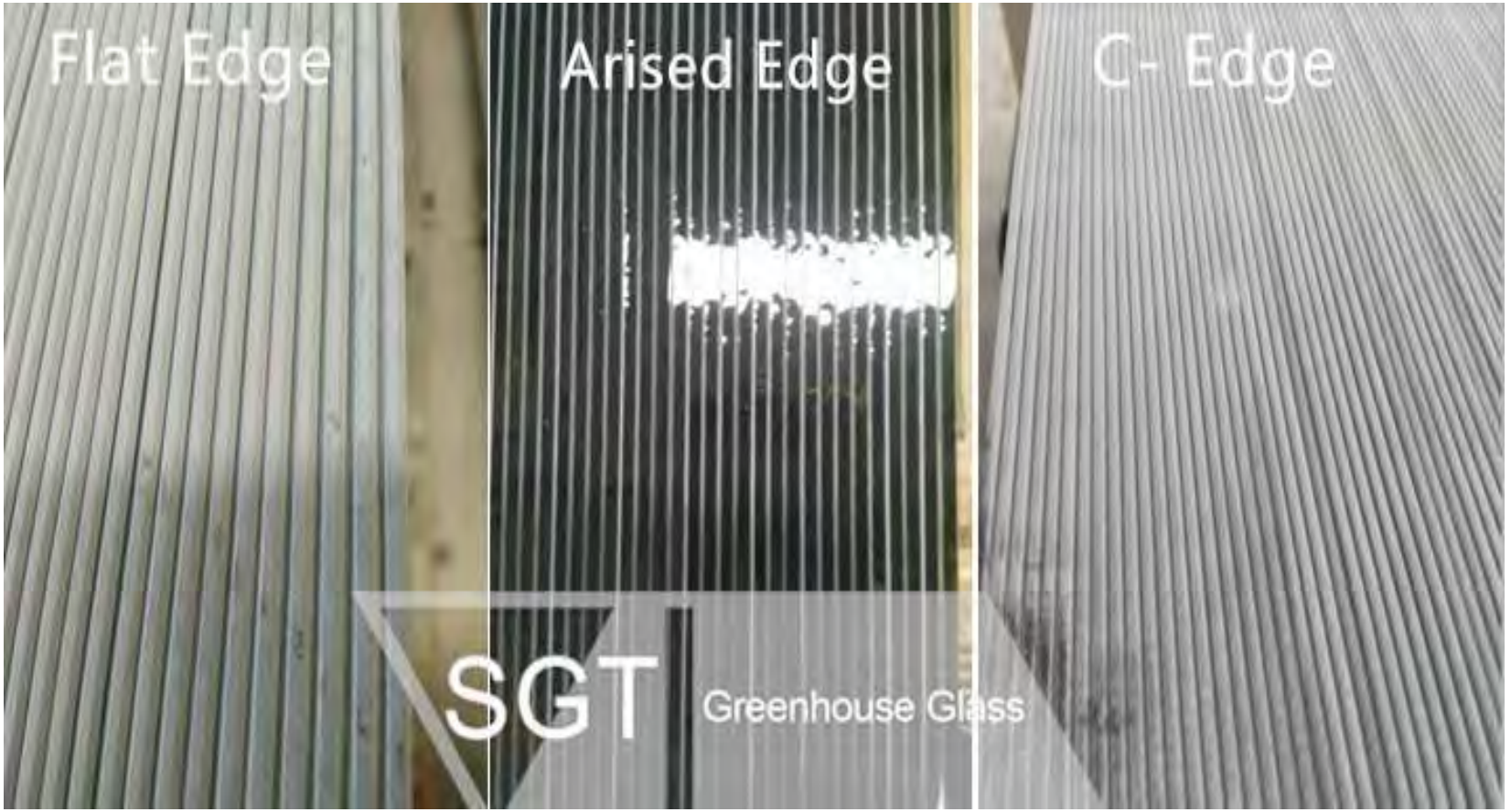
Products Introduction-Edge Processing

Edge Processing



Products Introduction-Packing

Packing









Products Introduction-loading

Loading





Products Introduction-Inspection

Inspection





Shards of Tempered Glass



Shards of semi-tempered glass

Distance from big hole center to the side edge



Distance from second small hole to the third small hole



Distance from first small hole to the second small hole

Distance from big hole center to the bottom edge



Distance from small hole center to the side edge



Distance from small hole center to the top edge

PART

03

Projects Introduction



Canada PRINS



Top: Ultra-clear diff use 2 sided AR coating Tempered Glass 97%
Sidewalls: Double-glazed Insulated Tempered Glass Filled with Argon Gas





Projects Introduction



Project: BOM 2018 UK TOMWORLD

Clear flat 1 side AR coating
白玻浮法单面镀膜减反
-78000m2



Projects Introduction

Project：2019 Korea Woodeumgee project

Roof: Low iron Nashiji 2 side AR coating -32800m2

Side wall: double glazing glass 4300m2

2020 Phase 2 same QTY



Projects Introduction



Canada

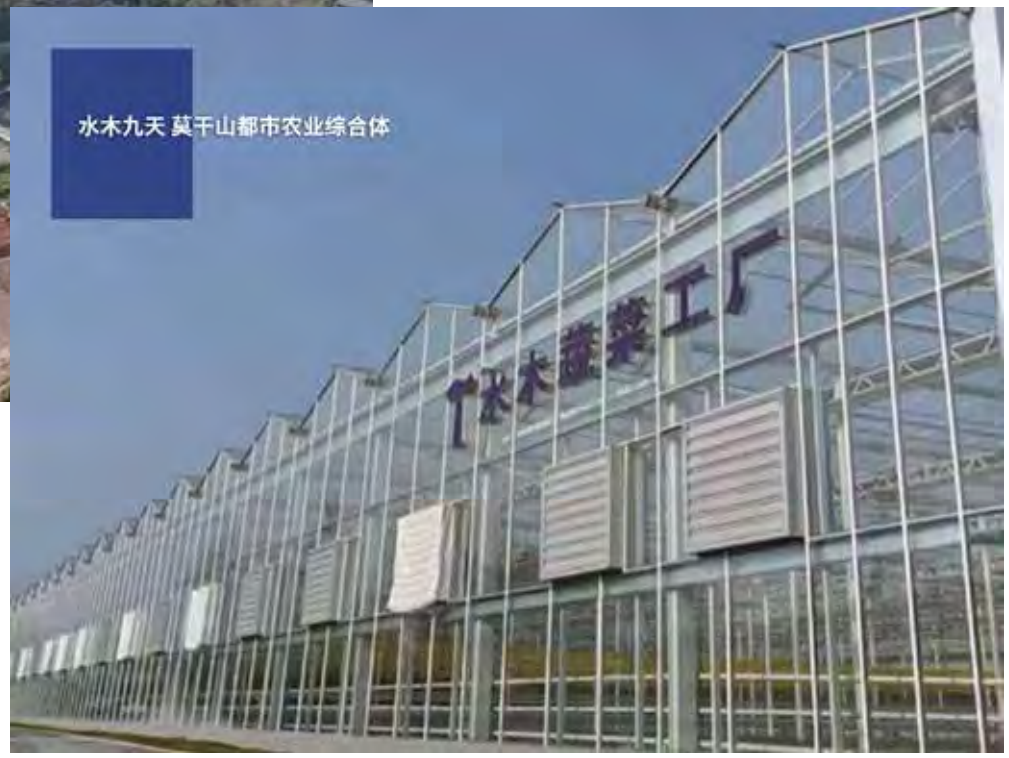
Peper& Cannabis 45acers 4mm Ultra-clear Textured Double-sided Coated 97%

Projects Introduction

Moganshan Urban Agriculture Complex, China

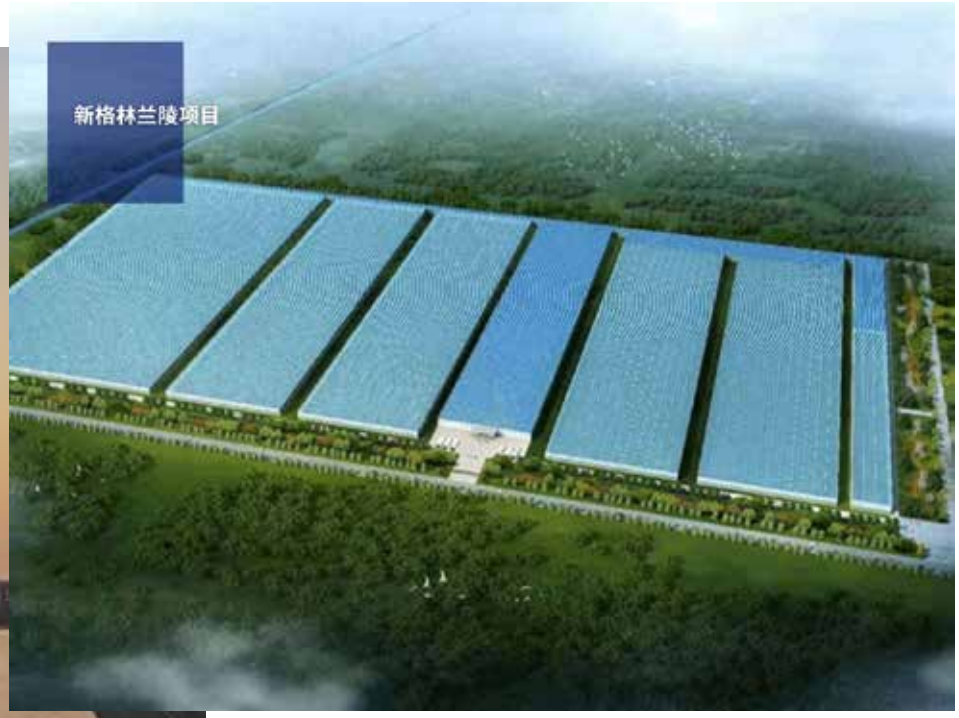






Projects Introduction





NEW GREEN PROJECT IN LINYI ,SHANDONG PROVICE 16HA

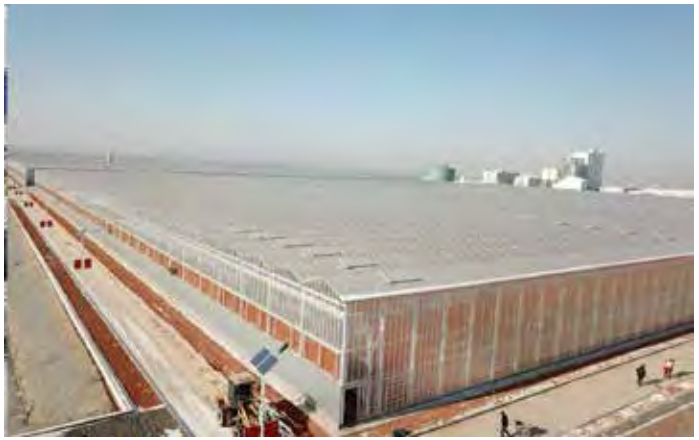
Projects Introduction



SHUIFA PROJECT IN ZIBO ,SHANDONG PROVICE 30HA

Projects Introduction





Paertner











PART

04

Test Report



Test Report *WAG Certificate*

WUR LightLab report v 4.0 ©2024

General information

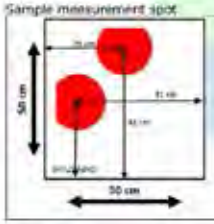
Client	Shandong glass tech industrial co.,ltd
Client address	No 63, haier road, qingdao , Shandong 266000, China
Measurement date	9/1/2024, 11/1/2024
Laboratory	WUR LightLab
Operator	BB(Transvision, IS-SA, PerkinElmer Lambda950)
Equipment	Hemispherical transmittance: Transvision Perpendicular transmittance: PerkinElmer Lambda950 Hortiscatter: IS-SA
Measurement norm	Conform NEN 2675:2018+C1
Measurement conditions	The measurements have been carried out at an ambient temperature of 15-25°C and a relative air humidity of 40-60%
Metrological traceability	Calibration of equipment with metrological traceable reference materials
Reliability of results	Standard deviation (StdDev) of all measurement results is conform requirements in NEN2675:2018+C1, with a maximum allowed StdDev of ±1%-point for hemispherical transmittance, ±5%-point for Hortiscatter and ±0.2%-point for perpendicular transmittance.
Report made by	BB
Report controlled by	VM

Sample information

Client ID	WUR ID	Size (mm)	Remarks
4mm low iron diffused 70 haze 2AR	SHT23A	500 x 500 x4	
4mm low iron diffused 50 haze 2AR	SHT23B	500 x 500 x4	
4mm low iron Diffused 20 haze 2AR	SHT23D	500 x 500 x4	

Sample preparation: Conform NEN 2675:2018+C1

Sample measurement spot



Measurement spot

Measurements are carried out on the samples delivered by the Client as described above. It is the responsibility of the client to select representative samples for a material batch.

Measurements are carried out on a randomly chosen spot on the sample as indicated at the left. It is the responsibility of the Client to deliver uniform samples.

Test results

Mean values hemispherical transmittance and Hortiscatter in % for all orientations (NEN 2675:2018+C1)

	Hemispherical transmittance	Hortiscatter
Uncertainty (± %-points)	±0.5%	±5%
4mm low iron diffused 70 haze 2AR	88.4	37
4mm low iron diffused 50 haze 2AR	90.5	14
4mm low iron Diffused 20 haze 2AR	90.4	13

ISO9001： 2008 & CE WAG Certificate

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TESTING
RvA L 655

WUR LightLab report v 4.0

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Mean values perpendicular transmittance for UV, PAR, NIR and Solar in % for all orientations (NEN 2675:2018+C1)

	UV transmittance perpendicular	*PAR transmittance perpendicular*	*NIR transmittance perpendicular*	*Solar transmittance perpendicular*
Uncertainty in %-points	*±0.5%*	*±0.5%*	*±0.5%*	*±0.5%*
4mm low iron diffused 70 haze 2AR	89.0	98.4	94.9	96.2
4mm low iron diffused 50 haze 2AR	89.5	98.4	95.7	96.5
4mm low iron Diffused 20 haze 2AR	87.8	98.2	95.8	96.5

Mean values angular transmittance in % for all orientations (NEN 2675:2018+C1)

Angle of incidence	*0°*	*15°*	*30°*	*40°*	*45°*	*50°*	*60°*	*75°*
4mm low iron diffused 70 haze 2AR	98.4	98.2	97.8	97.3	96.7	94.6	84.2	59.7
4mm low iron diffused 50 haze 2AR	98.4	98.3	98.0	97.6	97.3	96.2	91.3	62.2
4mm low iron Diffused 20 haze 2AR	98.2	98.2	98.0	97.5	96.9	96.1	91.4	61.9

Figures

Test Report

ISO9001： 2008 & CE WAG Certificate

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RvA L 655

WUR LightLab report v 4.0 ©2024

General information

Client	Shandong glass tech industrial co.,ltd
Client address	No 63, haier road, qingdao, Shandong 266000, China
Measurement date	9/1/2024, 11/1/2024
Laboratory	WUR LightLab
Operator	BB(Transvision, IS-SA, PerkinElmer Lambda950)
Equipment	Hemispherical transmittance: Transvision Perpendicular transmittance: PerkinElmer Lambda950 Hortiscatter: IS-SA
Measurement conditions	The measurements have been carried out at an ambient temperature of 15-25°C and a relative air humidity of 40-60%
Metrological traceability	Calibration of equipment with metrological traceable reference materials
Reliability of results	Standard deviation (StdDev) of all measurement results are with a maximum allowed StdDev of ±1%-point for hemispherical transmittance, ±5%-point for Hortiscatter and ±0.2%-point for perpendicular transmittance.
Report made by	BB
Report controlled by	VM

Sample information

Client ID	*WUR ID*	*Size [mm]*	*Remarks*
4mm low E flat 2AR coating glass	SHT23C	300 x 300 x 4	

Sample preparation cleaned with soap, rinsed with water, dried with alcohol

Test Report

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Test results

Mean values hemispherical transmittance and Hortiscatter in % for all orientations

	Hemispherical transmittance
Uncertainty in %-points	*±0.5%*
4mm low E flat 2AR coating glass	83.8

11/01/2024Report test results SHT23C Shandong glass tech industrial co, ltd_20240111.docx 1/3

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TESTING
RvA L 655

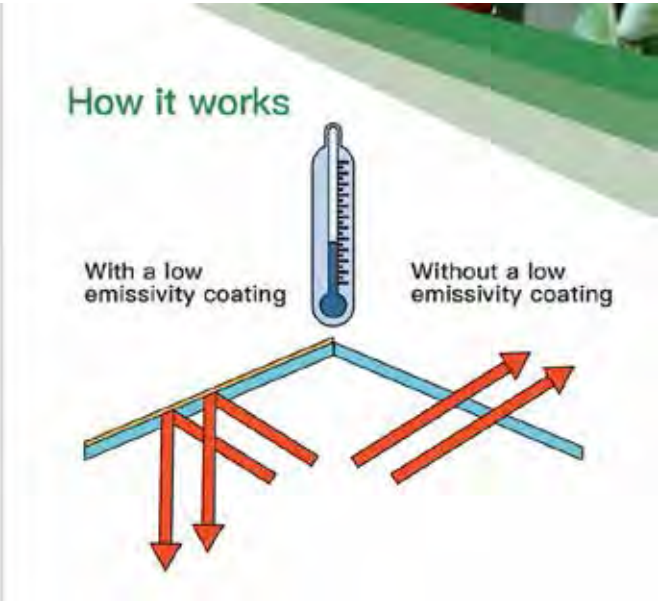
WUR LightLab report v 4.0 ©2024

Mean values perpendicular transmittance for UV, PAR, NIR and Solar in % for all orientations

	UV Transmittance perpendicular	*PAR transmittance perpendicular*	*NIR Transmittance perpendicular*	*Solar transmittance perpendicular*
Uncertainty in %-points	*±0.5%*	*±0.5%*	*±0.5%*	*±0.5%*
4mm low E flat 2AR coating glass	64.1	91.1	69.6	79.0

Mean values angular transmittance in % for all orientations

Angle of incidence	*0°*	*15°*	*30°*	*40°*	*45°*	*50°*	*60°*	*75°*
4mm low E flat 2AR coating glass	91.1	91.0	90.6	90.0	89.2	88.1	83.5	61.2

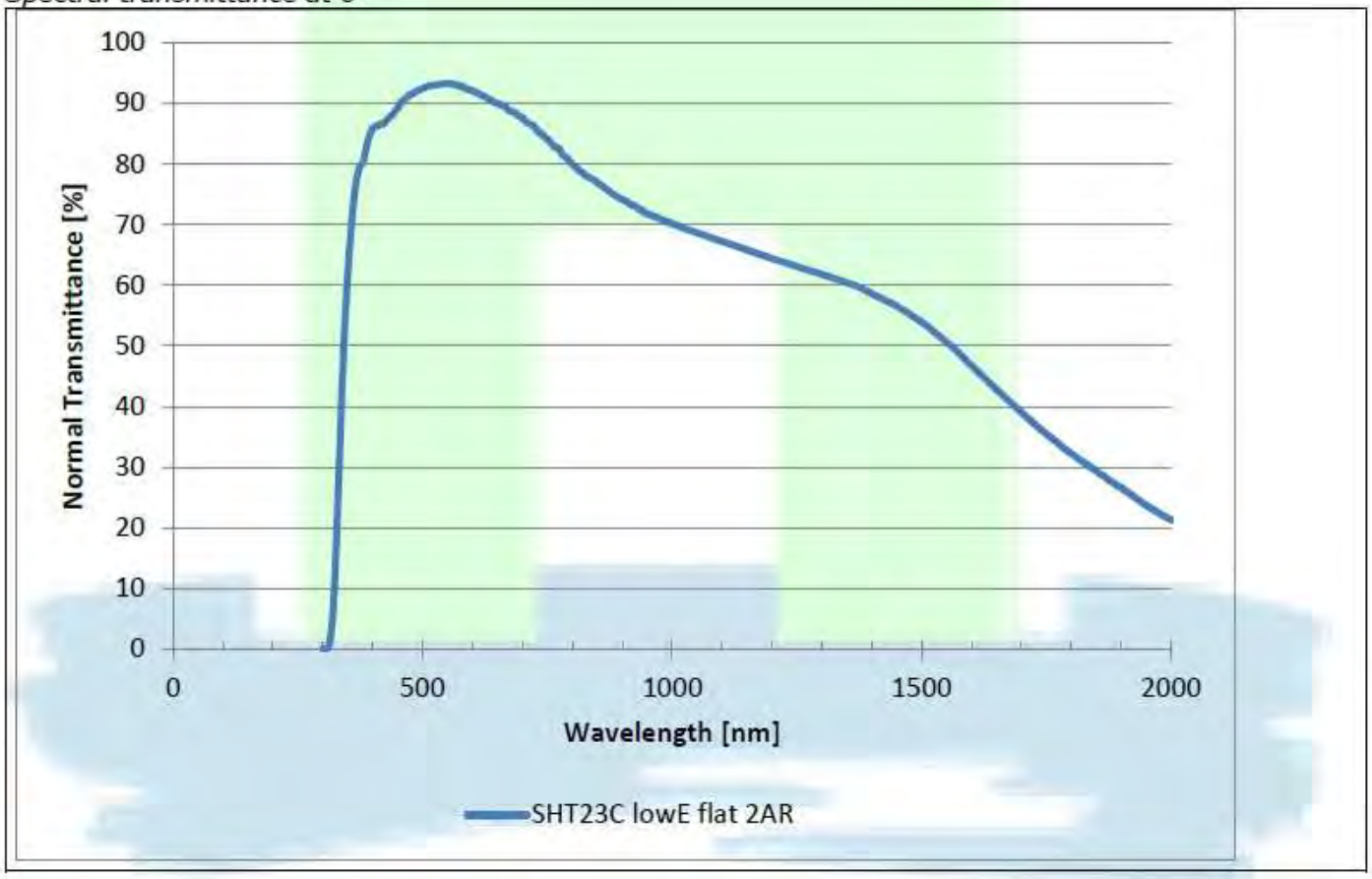


Glass (4mm)	T+-1% Par	T Hem +-1%	Ug
SGT Climate R-Clear 2 AR	91%	84%	3.7 W (M2*K)
SGT Climate R-LOW IRON 2 AR	92%	85%	3.7 W (M3*K)

ISO9001： 2008 & CE WAG Certificate

Figures

Spectral transmittance at 0°



SGT

Shandong Glass Tech Industrial Co., Ltd

THE 10+ YEARS

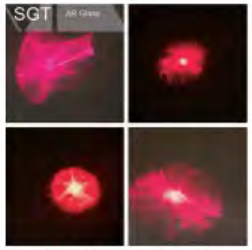
Greenhouse Glass Manufacturer



NORMAL CLEAR/LOW IRON/
HI IRON FLAT GLASS



NORMAL CLEAR /LOW IRON /
HI IRON DIFFUSED GLASS +1
AR OR 2 AR



AR DIFFUSED GLASS



WHITE PAINTED GLASS



CLIMATED LOW ENERGY AR
COATING U VALUE 3.7



IGU DOUBLE GLAZING GLASS


SGT
Look No Further than SGT !