

ECE TYPE-APPROVAL CERTIFICATE



Communication concerning:² Approval granted
 ~~Approval extended~~
 ~~Approval refused~~
 ~~Approval withdrawn~~
 ~~Production definitively discontinued~~

of a type of safety glazing material pursuant to Regulation No. 43.

Approval No: **E24*43R01/09*0161*00**

- | | | |
|----|---|--|
| 1. | Class of safety glazing material: | Multiple Glazed Unit |
| 2. | Description of the type of glazing: | 3J-RW |
| 3. | Trade names or marks: |  |
| 4. | Manufacturer's name and address: | Jiangsu Sanjo Intelligent Technology Co., Ltd.
No. 8, Jinguazi Road, Nandu Town,
Liyang City, Jiangsu Province,
China |
| 5. | If applicable, name and address of manufacturer's representative: | N/A |
| 6. | Submitted for approval on: | 24.11.2021 |
| 7. | Technical service responsible for conducting approval tests: | CETOC Technical Service srl
Via della Bufalotta, 374,
00139 Roma |
| 8. | Date of report issued by that service: | 23.11.2021 |
| 9. | Number of report issued by that service: | CN-40-17-173-COM21-02099-FIR |



Approval No: E24*43R01/09*0161*00

10. Approval is granted/~~refused~~/~~extended~~/~~withdrawn~~: **Granted.**
11. Reason(s) for extension of approval: **N/A**
12. Remarks: **N/A**
13. Place: **Dublin.**
14. Date: **10th January, 2022.**

15. Signature: 



16. The list of documents filed with the administrative service which has granted approval and available on request is annexed to this communication.
- list of components, duly identified, constituting the glass;
 - list of files deposited with the Administrative Service which has granted type approval, and which can be obtained upon request.



Approval No: E24*43R01/09*0161*00

Annex 1 - Appendix 7

MULTIPLE GLAZED UNITS

(Principal and secondary characteristics as defined in Annex 12 or Annex 16 to Regulation No. 43))

Principal characteristics :

Composition of multiple glazed units
(symmetrical/asymmetrical):

Asymmetrical

Nominal thickness of the gap:

28mm

Method of assembly:

Injection Moulding

Type of each glazing component as defined in
Annexes 5, 7, 9, 11 or 14:

N/A

Documents attached:

~~One form for all panes of a symmetrical multiple glazed unit in accordance with the annex under which the panes have been tested or approved.~~

One form for each different pane of an asymmetrical multiple glazed unit in accordance with the annexes under which these panes have been tested or approved

Remarks:

N/A



Approval No: E24*43R01/09*0161*00

Index to the Information Package

Date of issue:	<i>10th January, 2022.</i>
Date of latest amendment:	<i>N/A</i>
Reason for extension/revision:	<i>N/A</i>
1. Additional conditions, and advisory notes on legal alternatives.	
2. Test report(s)	
- numbers(s):	<i>CN-40-17-173-COM21-02099-FIR</i>
- date of issue:	<i>23.11.2021</i>
- date of latest amendment:	<i>N/A</i>
3. Information document	
- number(s):	<i>3J-RW-00-R43</i>
- date of issue:	<i>15.08.2021</i>
- date of latest amendment:	<i>N/A</i>
Documentation:	<i>15 pages</i>



Approval No: E24*43R01/09*0161*00

Appendix: **Additional conditions, and advisory notes on legal alternatives**

A: Additional conditions:

1. The attached technical report, with any of its attachments, forms part of this Type Approval certificate.
2. Each type from series production shall be to the measurements specified in the attached drawings, and shall be manufactured only from the materials specified in the Approval documents.
3. Changes in the type are permitted only with the explicit permission of NSAI. Breaches of this requirement will lead to a withdrawal of the Type Approval, and in addition may be subject to criminal prosecution.
4. At regular intervals, any tests or associated checks prescribed by the applicable legislation to verify continued conformity with the approved type shall be carried out. The manufacturer shall demonstrate compliance with this by submitting to NSAI evidence of adequate arrangements and documented control plans for each type approved.
5. Any set of samples or test pieces showing evidence of non-conformity shall give rise to further sampling and testing and all steps shall be taken to restore conformity of production.
6. This Type Approval will expire when it is surrendered by the holder, or withdrawn by NSAI, or when the approved type no longer conforms to legal requirements. The recall of the Type Approval can be issued by NSAI when the conditions required for the issuing or continuation of the Type Approval are no longer current, or when the Approval holder is in breach of the duties attached to the Type Approval, or when it is established that the approved type no longer meets the requirements of traffic safety.
7. Changes in the company name, address or manufacturing site, as well as in any of the sales or other agents specified in the issuing of the approval must immediately be notified to NSAI.
8. The duties imposed by the issuing of this certificate are not transferable. The legal protection of third parties is not affected by this certificate.
9. When the manufacture or sale of the system, component or separate technical unit has not been started within one year of the date of issue of this certificate, then NSAI is to be informed. This requirement also applies when the manufacture or sale has been halted for more than one year, or when it ought to have been halted for more than one year. The initial commencement of manufacture or sale, or the resumption of manufacture or sale, shall then be notified to NSAI within one month of commencement or resumption.

B: Legal Options:

Any objection to the requirements set out in this certificate shall be made within one month of the date of issue. The objection shall be made, in writing, to NSAI in Dublin.



CETOC TS

CETOC Technical Service srl
Via della Bufalotta, 374,
00139 Roma

Inspection Report Nr.: CN-40-17-173-COM21-02099-FIR
Manufacturer: Jiangsu Sanjo Intelligent Technology Co.,
Ltd.
Type: 3J-RW

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ISP N° 0184 E

Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC

Signatory of EA, IAF and ILAC
Mutual Recognition Agreements

Safety glazing –Rigid Plastic Multiple-Glazed Units

0. Legislation:

0.1. Requirements according to : UNECE Regulation 43.01 Supplement 9

1. General

1.1. Reason for Inspection Report : New approval / ~~Extension of approval~~ / ~~Test report only~~ / COP

1.2. Manufacturer's Representative(s) : N/A

1.3. CETOC TS Representative(s) : John Jiang

1.4. Location of Test : For resistance to simulated weathering test:
China Building Material Test & Certification Group Co., Ltd.
No.1, Guanzhuang Dongli, Chaoyang District, Beijing, China

For the other tests:

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center

No.69, Block 1159, East KangQiao Rd, Pudong District, Shanghai,
China

1.5. Date of test : 09/08/2021-17/11/2021

2. Manufacturer Details

2.1. Make : 

2.2. Type : 3J-RW

2.3. Variant/Version : N/A

2.4. Commercial Name : N/A

2.5. Category : V-X/C

2.6. Name and Address of manufacturer : Jiangsu Sanjo Intelligent Technology Co., Ltd.
No. 8, Jinguazi Road, Nandu Town, Liyang City, Jiangsu Province,
China

3. Conclusion:

3.1. Final conclusion of the inspection: The above mentioned type was tested in accordance with the above mentioned legislation and was found to comply in all respects. This Inspection report relates only to the items tested.

Signature : 

Name : John Jiang

Position : Type Approval Engineer

Place and date : Shanghai, 18/11/2021



Massimo Peraboni

Tech. Mgr.

Roma, 23/11/2021

4. List of annexes:

Appendix Nr.	Page Nr.	Subject
Appendix 1	2	: Test report history
Appendix 2	2	: General specification
Appendix 3	3-9	: Inspection results
Appendix 4	10-12	: Test Photos



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APPENDIX 1 - TEST REPORT HISTORY

List this report and previous reports, with extension details.

Inspection Report Number	Reason for Extension	Date of Issue
CN-40-17-173-COM21-02099-FIR	N/A	23/11/2021

APPENDIX 2 – GENERAL SPECIFICATION

1. **Worst Case Rationale** : Single specification

2. **Significant Interpretations, Alternative Test Methods, New Technologies** : N/A

3. **Summary of test results** :

	PASS	FAIL	N/A	COVERED PREVIOUS EXTENSION	If covered previous extension see approval/Report Nr.
Flexibility test	☒	☐	☐	☐	
Head form test	☐	☐	☒	☐	
227 g Ball Test:	☒	☐	☐	☐	
Test resistance to the environment	☒	☐	☐	☐	
Optical qualities	☐	☐	☒	☐	
Fire resistance test	☒	☐	☐	☐	
Resistance of Chemicals	☒	☐	☐	☐	

4. **Component Specification**

Other than Windscreens:	Yes/No*
Description of the type of glazing:	3J-RW
THE PRINCIPAL CHARACTERISTICS	
The chemical designation of the component sheets:	PMMA
The classification of the sheets by the manufacturer:	V-X/C
The nominal thickness of the component sheets:	Inside sheet: 2.5 mm outside sheet: 2.9 mm
The process of window manufacture:	Injection molding
The width of air gap between the component plastic sheets:	28 mm
The colouring of the plastic sheets:	Inside sheet: Colourless Outside sheet: Tinted (Gray)
The nature and type of coating:	N/A
THE SECONDARY CHARACTERISTICS	
The incorporation or otherwise of opaque obscuration:	NA



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5. Facility and Equipment Checks

- 5.1. Calibration certificates checked and valid, recorded in the following table : Conform
- 5.2 All instruments are equipped with identification label : Yes
- 5.3 Calibration certificates are complete of calibration-chain with detailed information regarding primary used. : Yes

Equipment	Serial / Certificate No.	Calibration due*
Drop ball impact testing machine	SN SJ-113-3/CN 920040232	27/01/2022
Steel ball	SN SJ-113/CN 920040217	27/01/2022
Electronic balance	SN SJ-27/CN 920040183	27/01/2022
Horizontal flame chamber	SN P-280/CN 900098118	21/03/2022
Temperature Stopwatch	SN SJ-99/CN 820068690	23/06/2022
Electronic Digital Caliper	SN SJ-155/CN 820100449	07/11/2022
Height Caliper	SN Metal-41/CN 820014652	17/08/2022
Constant Temperature and Humidity Testing Machine	SN SJ-64/CN 920002759	28/10/2022
UV/VIS/NIR Spectrophotometer	SN SJ-48/CN 2020H12-10-2749599001	13/09/2022
Xenon lamp weathering test chamber	SN Q-50/CN GFJGJL1001200200073	06/01/2022

*Specify calibrated date + (interval) or calibration due date.



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APPENDIX 3 – INSPECTION RESULTS

		Pass	Fail	NA
4.	MARKINGS			
4.1	Every piece of safety glazing material, including the samples and test pieces submitted for approval, shall bear a trade name or mark of the manufacturer as listed under item 3 of Annex 1. Manufactured parts shall bear the ECE Regulation No. 43 number allocated to the prime manufacturer. The marking shall be clearly legible and indelible.	☒	☐	☐
6.	GENERAL REQUIREMENTS			
6.1.	All glazing materials, including glazing material for the manufacture of windscreens, shall be such that, in the event of shattering, the danger of bodily injury is reduced as far as possible. The glazing material shall be sufficiently resistant to the incidents likely to occur in normal traffic, and to atmospheric and temperature conditions, chemical action, combustion and abrasion	☒	☐	☐
6.2.	Safety glazing materials shall in addition be sufficiently transparent, shall not cause any noticeable distortions of objects as seen through the windscreen, and shall not give rise to any confusion between the colours used in road traffic signs and signals. In the event of the windscreen's shattering, the driver must still be able to see the road clearly enough to be able to brake and stop his vehicle safely.	☐	☐	☒
	GENERAL			
Annex 16,2.1	In the case of rigid plastic multiple-glazed units, tests will be performed on either flat test pieces or finished parts depending upon test requirements.	☒	☐	☐
Annex 16,2.2.	The test pieces must be freed from protecting maskings and cleaned before testing. They must be stored for 24 hours at a temperature of 23 °C ± 2 °C and a relative humidity of 50% ± 5% prior to testing.	☒	☐	☐
Annex 16,2.3.	The nominal thickness tolerance for extruded plastic products is ± 10% of the nominal thickness	☐	☐	☒
Annex 16,2.3.	For plastic products produced by other techniques (e.g. cast acrylic sheet), the acceptable thickness tolerance is given by the equation: Thickness tolerance limits (mm) = ± (0.4 + 0.1 e) where e is the sheet nominal thickness in millimetres. Reference standard is ISO 7823-1:2003.	☒	☐	☐
Annex 16,2.4	Test carried out on rigid plastic multiple-glazed units having a nominal width of gap e measured at the geometrical centre shall be considered to be applicable to all rigid plastic multiple-glazed units having the same characteristics and a nominal width of gap e ± 5 mm. The applicant for approval may alternatively submit the sample having the largest and smallest nominal gaps.	☒	☐	☐
Annex 16,3.	Flexibility Test			
Annex 16,3.2	One flat test piece measuring 300 mm x 25 mm shall be subjected to testing.	☒	☐	☐
Annex 16,3.3.1	The method used shall be that described in Annex 3, paragraph 12.	☒	☐	☐



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Sample	Vertical deflection	
	Inner sheet (mm)	Outer sheet (mm)
300mm x 25mm	0	0

Headform test

Pass Fail NA

<i>Annex 16, 4.2</i>	Six flat test pieces (1,170 x 570 +0/-2 mm) or six complete parts shall be subjected to testing	☐	☐	☒
<i>Annex 16, 4.3.1</i>	The method used shall be that described in Annex 3, paragraph 3.2.	☐	☐	☒
<i>Annex 16, 4.3.2</i>	For glazing like partitions and separating windows which have impact probability (classification X/A) the drop height shall be 3 m.	☐	☐	☒
<i>Annex 16, 4.3.3</i>	For glazing like side windows, back windows and sunroofs which have reduced impact possibilities (classification X/B) the drop height shall be 1.5 m	☐	☐	☒
<i>Annex 16, 4.3.4</i>	For glazing which do not have contact possibilities, as well as for small glazing and for all windows in trailer caravans there will be no headform testing	☒	☐	☐
<i>Annex 16, 4.3.3</i>	The test piece or sample is not penetrated nor shall it break into fully separate large pieces	☐	☐	☒
<i>Annex 16, 4.3.3</i>	The HIC value shall also be measured	☐	☐	☒
<i>Annex 16, 4.4.2</i>	The HIC value is less than 1000.	☐	☐	☒

Sample	1	2	3	4	5	6
Test result	N/A	N/A	N/A	N/A	N/A	N/A

Annex 16,5 227 g Ball Test

<i>Annex 16, 5.2</i>	Ten flat square pieces 300 mm +10/-0 mm or ten substantially flat finished parts shall be subjected to testing	☒	☐	☐
<i>Annex 16, 5.3.1</i>	The method used shall be that prescribed in Annex 3, paragraph 2.1	☒	☐	☐
<i>Annex 16, 5.3.2</i>	The height of drop for the various nominal thickness values is given in the table below	☒	☐	☐

Outer sheet thickness (mm)	Height of drop(m)
<3	2
4	3
5	4
>6	5

<i>Annex 16, 5.4.1.</i>	The ball test shall be considered to have given a satisfactory result if the following conditions are met:	☒	☐	☐
	(a) The ball does not penetrate the test piece;			
	(b) The test piece does not break into separate pieces.			



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Pass Fail NA

Annex 16,
5.4.2

A set of test pieces submitted for approval shall be considered satisfactory from the point of view of the 227g ball test if eight or more separate tests give a satisfactory result at the drop height

☒ ☐ ☐

Samples (Complies Y/NA)									
1	2	3	4	5	6	7	8	9	10
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

227 g Ball Test at -18 °C ± 2 °C

Annex 16,
5.5.1

To minimize the temperature change of the test piece, the test shall be performed within 30 seconds of the removal of the test piece from the conditioning appliance.

☒ ☐ ☐

Annex 16,
5.5.2

The test method shall be that described in paragraph 5.3. of this annex, except that the test temperature is -18°C ±2°C

☒ ☐ ☐

Annex 16,
5.5.3.

The ball test shall be considered to have given a satisfactory result if the following conditions are met:

- (a) The ball does not penetrate the test piece;
- (b) The test piece does not break into separate pieces.

☒ ☐ ☐

Annex 16,
5.5.3

A set of test pieces submitted for approval shall be considered satisfactory from the point of view of the 227g ball test if eight or more separate tests give a satisfactory result at the drop height

☒ ☐ ☐

Samples (Complies Y/NA)									
1	2	3	4	5	6	7	8	9	10
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Annex 16, 6 TEST RESISTANCE TO THE ENVIRONMENT

Test of resistance to abrasion

Annex 16,
6.1.2

Three flat square test pieces of 100 mm side for each type of surface shall be subjected to testing.

☐ ☐ ☒

Annex 16,
6.1.1.

The requirements of Annex 3, paragraph 4, shall apply.

☐ ☐ ☒

Annex 16,
6.1.3.1.

In the case of glazing of class L, the abrasion test shall be considered to have given a satisfactory result if the total light scatter after abrasion does not exceed 2 per cent after 1,000 cycles on the outer surface of the test piece and 4 per cent after 100 cycles on the inner surface of the test piece.

☐ ☐ ☒

Annex 16,
6.1.3.2.

In the case of glazing of class M, the abrasion test shall be considered to have given a satisfactory result if the total light scatter after abrasion does not exceed 10 per cent after 500 cycles on the outer surface of the test piece and 4 per cent after 100 cycles on the inner surface of the test piece.

☐ ☐ ☒

Samples	outer surface			inner surface		
	1	2	3	4	5	6
Haze	N/A	N/A	N/A	N/A	N/A	N/A



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		Pass	Fail	NA																
Annex 16, 6.1.3.4.	For sun roofs, no abrasion test is required.	☒	☐	☐																
Annex 16, 6.1.4.	A set of samples for approval shall be considered satisfactory if all samples meet the requirements.	☐	☐	☒																
Annex 16, 6.2	Test of resistance to simulated weathering																			
Annex 16, 6.2.2.	Three flat test pieces 130 mm x 40 mm cut from a flat sheet sample shall be subjected to testing.	☒	☐	☐																
Annex 16, 6.2.1.	The requirements of Annex 3, paragraph 6.4., shall apply. The total ultraviolet radiant exposure with the long arc xenon lamp shall be 500 MJ/m2. During irradiation the test pieces shall be exposed to water spray in continuous cycles. During a cycle of 120 minutes the test pieces are exposed to light without water spray for 102 minutes, and to light with water spray for 18 minutes.	☒	☐	☐																
Annex 16, 6.2.3.1.1.	The light transmittance measured in accordance with Annex 3, paragraph 9.1. does not fall below 95 per cent of the pre-weathering value.	☒	☐	☐																
	<table><tr><td></td><td>Sample 1</td><td>Sample 2</td><td>Sample 3</td></tr><tr><td>T% before</td><td>69.7</td><td>69.6</td><td>69.7</td></tr><tr><td>T% after</td><td>69.5</td><td>69.4</td><td>69.6</td></tr><tr><td>After/before</td><td>99.7</td><td>99.7</td><td>99.9</td></tr></table>		Sample 1	Sample 2	Sample 3	T% before	69.7	69.6	69.7	T% after	69.5	69.4	69.6	After/before	99.7	99.7	99.9			
	Sample 1	Sample 2	Sample 3																	
T% before	69.7	69.6	69.7																	
T% after	69.5	69.4	69.6																	
After/before	99.7	99.7	99.9																	
Annex 16, 6.2.3.1.1.	Additionally, for windows which are required for driver visibility the value shall not fall below 70%.	☐	☐	☒																
Annex 16, 6.2.3.1.2	No bubbles or other visible decompositions, discolorations, milkiness or crazing shall occur during weathering.	☒	☐	☐																
Annex 16, 6.2.4.	A set of test pieces submitted for approval shall be considered satisfactory from the point of view of the resistance to simulated weathering if all test pieces give satisfactory results.	☒	☐	☐																
Annex 16, 6.2.4.	All tests have given a satisfactory result.	☒	☐	☐																
Annex 16, 6.3	Cross-cut test																			
Annex 16, 6.3.2.	The cross-cut test shall be carried out on one of the test pieces from simulated weathering test.	☐	☐	☒																
Annex 16, 6.3.1.	The requirements of Annex 3, paragraph 13., shall apply only to coated rigid products.	☐	☐	☒																

The cross-cut value
N/A



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Pass Fail NA

<i>Annex 16, 6.3.3.1.</i>	The cross-cut value Gt1 is met.	☐	☐	☒
<i>Annex 16, 6.3.3.2.</i>	The test piece shall be considered satisfactory from the point of view of approval if the test gives satisfactory results.	☐	☐	☒
<i>Annex 16, 6.4</i>	Resistance-to-humidity test			
<i>Annex 16, 6.4.1.</i>	The requirements of Annex 3, paragraph 7, shall apply.	☒	☐	☐
<i>Annex 16, 6.4.2.</i>	Ten flat square test pieces of 300 mm side or ten original parts shall be subjected to testing.	☒	☐	☐
<i>Annex 16, 6.4.3.1.1.</i>	No visible decompositions like bubbles or milkiness occur on any sample.	☒	☐	☐
<i>Annex 16, 6.4.3.1.2.</i>	And if the light transmittance measured according to Annex 3, paragraph 9.1. does not fall to less than 95 per cent of the pre-test value	☒	☐	☐
<i>Annex 16, 6.4.3.1.2.</i>	Additionally, no less than 70 per cent for any window required for driver visibility.	☒	☐	☐

Samples	1	2	3	4	5	6	7	8	9	10
T% before	66.42	67.73	66.53	66.72	66.35	66.80	65.60	66.68	66.88	67.69
T% after	66.42	67.69	66.42	66.68	66.25	66.77	65.60	66.59	66.75	67.57
After/before	100.0%	99.9%	99.8%	99.9%	99.8%	100.0%	100.0%	99.9%	99.8%	99.8%

<i>Annex 16, 6.4.4.</i>	After testing, the test pieces subjected to the 227 g ball drop test described under item 5 of this annex and meet the requirement.	☒	☐	☐
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Optical Qualities

<i>Annex 16, 7</i>	The requirements of Annex 3, paragraph 9.1. shall apply for products which are requisite for driver visibility.	☐	☐	☒
<i>Annex 16, 7.1.</i>	All test pieces give satisfactory results.	☐	☐	☒

Fire resistance test

<i>Annex 16, 8.1.</i>	The requirements of Annex 3, paragraph 10 shall apply.	☒	☐	☐
<i>Annex 16, 8.2</i>	The fire-resistance test shall be considered to have given a satisfactory result if the burning rate is less than 110 mm/min.	☒	☐	☐

Samples-Inside sheet	1	2	3	4	5
Burning rate (mm/min)	26.8	28.6	31.5	27.6	29.3
Samples-outside sheet	1	2	3	4	5
Burning rate (mm/min)	29.5	28.9	29.3	28.5	26.7

<i>Annex 16, 8.2.1.</i>	All samples give a satisfactory result.	☒	☐	☐
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CETOC TS

CETOC Technical Service srl
Via della Bufalotta, 374,
00139 Roma

Inspection Report Nr.: CN-40-17-173-COM21-02099-FIR
Manufacturer: Jiangsu Sanjo Intelligent Technology Co.,
Ltd.
Type: 3J-RW

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ISP N° 0184 E

Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC

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Pass Fail NA

Resistance to chemicals

Annex 16, 9.1.1	Immersion test: The requirements of Annex 3, paragraph 11.2.1, shall apply.	☒	☐	☐
Annex 16, 9.1.2	Three samples out of four, among which the cross-cut sample mentioned above when applicable, shall give satisfactory results for each chemical	☒	☐	☐
Annex 16, 9.2.1	Test under load: The requirements of Annex 3, paragraph 11.2.4. shall apply.	☒	☐	☐
Annex 16, 9.2.2	A set of four samples, not being the ones mentioned in paragraph 9.1. above, for each chemical shall be tested. Three samples out of four shall give satisfactory results for each chemical.	☒	☐	☐

Remarks

None

Note: CETOC TS apply measurement uncertainty to calibrated items but not test results.



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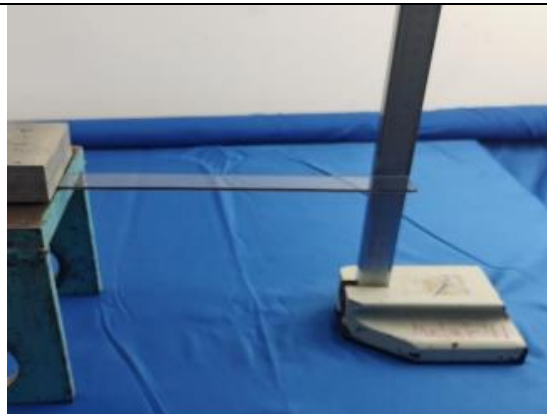
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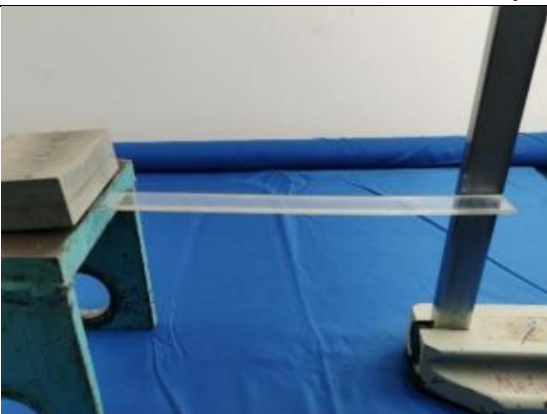
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APPENDIX 4 – Test Photos

Flexibility test-Outer sheet



Flexibility test-Inside sheet





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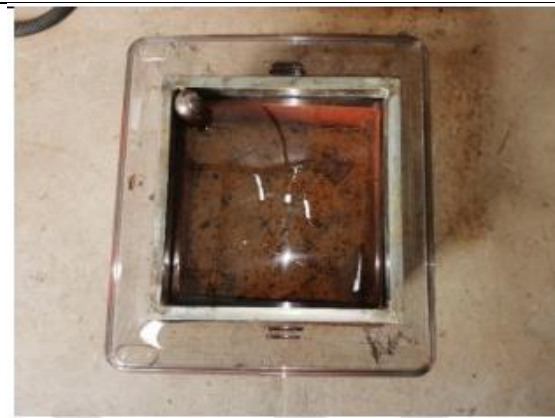


ISP N° 0184 E

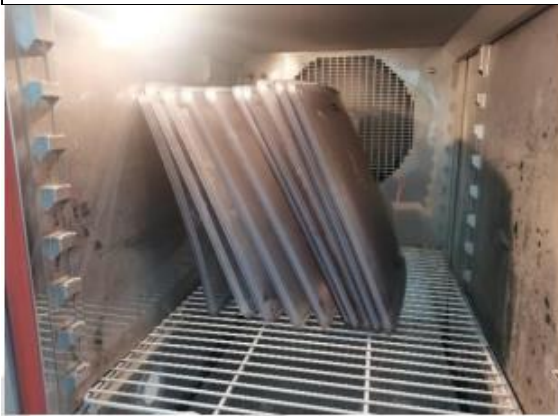
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227 g Ball Test



227 g Ball Test at $-18^{\circ}\text{C} \pm 2^{\circ}\text{C}$





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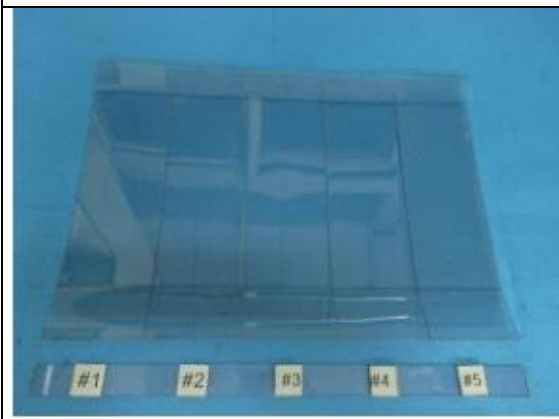
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Mutual Recognition Agreements



Fire resistance test-Inside sheet



Fire resistance test-Outside sheet



Type: 3J-RW

JiangSu Sanjo Intelligent Technology Co.,Ltd.

Date :15/08/2021

Ext. :00

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF SAFETY GLAZING MATERIALS AND THEIR
INSTALLATION ON VEHICLES

REGULATION No. 43.01 Supplement 9
(Information Document No-3J-RW-00-R43)

INDEX OF DOCUMENTATION

Page *Concept*

2	GENERAL
3	LOCATION OF THE APPROVAL MARK
3	DRAWINGS

APPLICATION HISTORY

Extension No.	Extension Reasons	APPLICATION DATE
00	Not applicable (Base Approval)	15/08/2021

Type: 3J-RW	Jiangsu Sanjo Intelligent Technology Co., Ltd.	Date : 15/08/2021
Document No.:3J-RW-00-R43		Ext. : 00

Information Document for the glass type Rigid plastic multiple-glazed units according to Annex 16 of the ECE-R43 for the communication

1.Class of safety glazing material:	Rigid plastic multiple-glazed units
2.Description of the type of glazing:	3J-RW
3.Trade names or marks:	
4.Manufacturer's name and address:	Jiangsu Sanjo Intelligent Technology Co., Ltd. No. 8, Jinguazi Road, Nandu Town, Liyang City, Jiangsu Province, China
5.If applicable, name and address of manufacturer's representative:	NA
6.Address(es) of assembly plant(s):	Jiangsu Sanjo Intelligent Technology Co., Ltd. No. 8, Jinguazi Road, Nandu Town, Liyang City, Jiangsu Province, China

Annex 16 - RIGID PLASTIC MULTIPLE-GLAZED UNITS

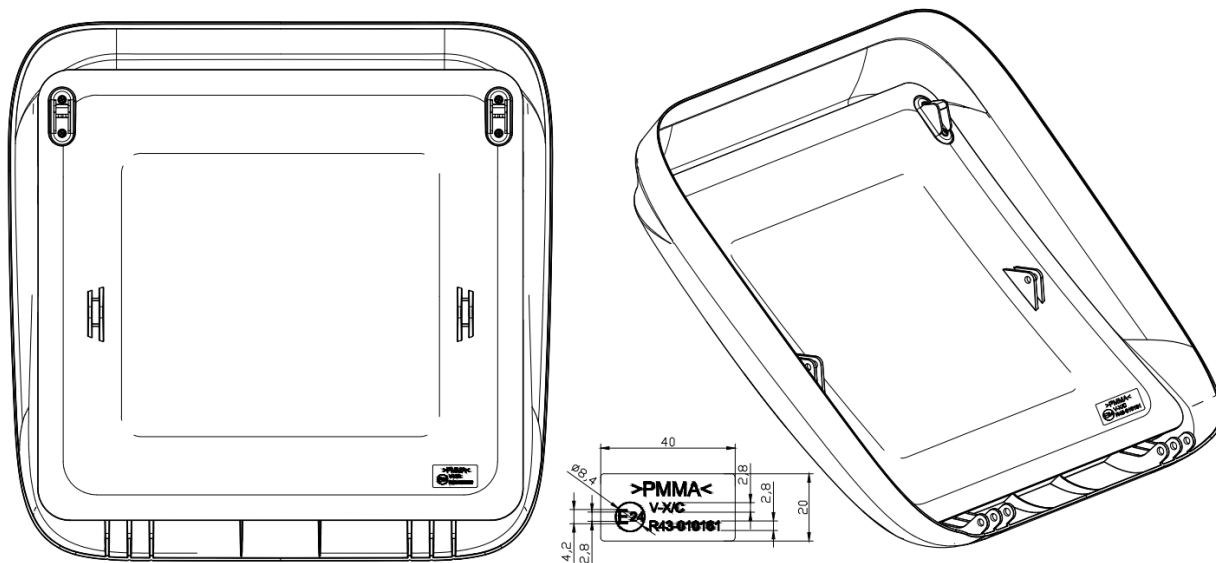
1.1. THE PRINCIPAL CHARACTERISTICS ARE AS FOLLOWS:

1.1.2. The chemical designation of the component sheets:	PMMA
1.1.3. The classification of the sheets by the manufacturer:	V-X/C
1.1.4. The nominal thickness of the component sheets:	Inside sheet: 2.5mm Outside sheet: 2.9 mm
1.1.5. The process of window manufacture:	Injection molding
1.1.6. The width of air gap between the component plastic sheets:	28 mm
1.1.7. The colouring of the plastic sheets:	Inside sheet: Colorless Outside sheet: Tinted (Gray)
1.1.8. The nature and type of coating:	NA

1.2. THE SECONDARY CHARACTERISTICS ARE AS FOLLOWS:

1.2.1. The incorporation or otherwise of opaque obscuration:	NA
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LOCATION OF THE APPROVAL MARK



DRAWINGS

