

European Technical Assessment

ETA 26/0560
of 2026/08/31



General Part

Technical Assessment Body issuing the European Technical Assessment:

Itecons - Instituto de Investigação e Desenvolvimento Tecnológico para a Construção, Energia, Ambiente e Sustentabilidade

Trade name of the construction product

Intura SunTube 25
Intura SunTube 35
Intura SunTube 55

Product family to which the construction product belongs

Tubular daylighting devices (TDD)
Product family code: 22

Manufacturer

Intura B.V.
Ampèrestraat 15
3861NC Nijkerk
Nederland

Manufacturing plant(s)

Intura B.V.
Ampèrestraat 15
3861NC Nijkerk
Nederland

This European Technical Assessment contains

9 pages including 1 Annex which form an integral part of this assessment

This European Technical Assessment is issued in accordance with Article 95(4) of Regulation (EU) 2024/3110, on the basis of

EAD 220021-00-0402
Tubular daylighting devices (TDD)

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Specific parts

1. Technical description of the product

Intura SunTube is a tubular daylighting device (TDD) intended to direct daylight from the roof via a reflecting light pipe, into a room. The Intura SunTube device is composed of the following main elements:

- A light collector consisting of a roof-mounted module with a transparent cover, comprising a soda-lime glass dome for the Intura SunTube 25 and Intura SunTube 35 models, and a polycarbonate or acrylic dome for the Intura SunTube 55 model;
- A rigid light pipe consisting of a light-reflecting aluminium tube, which can be supplied with bends and telescopic features for extension;
- A light diffuser kit consisting of a galvanised steel collar and ceiling trim, and a transparent acrylic diffuser plate. Depending on the product configuration, the light diffuser kit may also incorporate the optional EcoPower insulation element intended to improve the thermal performance of the system.

The Intura SunTube kit is manufactured in different reflector tube diameters corresponding to the product models listed in Table 1.

The kit also includes various accessories such as sealing tapes, fasteners and roof covering components, as specified in Annex A.

Detailed drawings of the Intura SunTube kit are also provided in Annex A.

Table 1: Light pipe diameters and corresponding Intura SunTube models.

Diameter of the light-reflecting tube [mm]	Intura SunTube models
218	SunTube 25
	SunTube 25 with EcoPower insulation element
318	SunTube 35
	SunTube 35 with EcoPower insulation element
518	SunTube 55
	SunTube 55 with EcoPower insulation element

2. Specification of the intended use(s) in accordance with the applicable European Assessment Document (hereinafter EAD)

Intura SunTube is a tubular daylighting device (TDD) intended to transmit natural daylight into rooms and may be intended to transverse through both warm and cold rooms.

Intura SunTube is not intended to have a load bearing, load transferring or stiffening function and is not intended to transmit natural daylight into cold storage rooms and cold storage buildings.

The provisions made in this European Technical Assessment are based on an assumed working life of 25 years for the Intura SunTube when installed in the works, provided that the product is subject to appropriate installation.

The indications given as to the working life cannot be interpreted as a guarantee neither given by the product manufacturer or his representative nor by EOTA or Itecons, but are regarded only as a means for expressing the expected economically reasonable working life of the product.

3. Performance of the product and references to the methods used for its assessment

The assessment of Intura SunTube with regard to the relevant Basic Works Requirements (BWR) was carried out in accordance with EAD 220021-00-0402.

The characteristics of the components of the Intura SunTube kit shall correspond to the respective values laid down in the technical documentation of this ETA, as checked by Itecons.

A summary of the assessed characteristics and the corresponding performance of the kit is provided in Table 2.

Table 2: Assessment methods and product performance.

BWR	Essential characteristic	EAD clause	ETA clause	Performance
2 Safety in case of fire	Reaction to fire	2.2.1	---	No performance assessed
	Resistance to fire	2.2.2	---	No performance assessed
	External fire performance of roofs	2.2.3	---	No performance assessed
3 Hygiene, health and the environment	Water tightness	2.2.4	---	No performance assessed
	Content, emission and/or release of dangerous substances	2.2.5	---	No performance assessed
4 Safety and accessibility in use	Resistance to upward and downward load or wind load	2.2.6	---	No performance assessed
	Resistance to impact	2.2.7	---	No performance assessed
5 Protection against noise	Airborne sound insulation	2.2.8	---	No performance assessed
6 Energy economy and heat retention	Air permeability	2.2.9	---	No performance assessed
	Solar energy transmittance	2.2.10	---	No performance assessed
	Light transmittance of the assembled system	2.2.11	3.1	see Table 3
	Light properties of the light collector, light pipe and light diffuser	2.2.12	---	No performance assessed
	Thermal transmittance of the assembled system	2.2.13	3.2	see Table 4
	Thermal transmittance of the light diffuser	2.2.14	3.3	see Table 5
	Loss in light due to bending of the light pipe	2.2.15	---	No performance assessed
	Durability	2.2.16	---	No performance assessed

3.1. Light transmittance of the assembled system

The light transmittance of the assembled system was determined in accordance with Section 3 of CIE 173. The results are presented in Table 3.

Table 3: Light transmittance of the assembled system.

Product	Diameter measured [mm]	Total length [mm]	Input illuminance [klx]	Input luminous flux [lm]	Output luminous flux [lm]	Transmittance (efficiency) [%]	Light transfer Φ/E^* [m ²]
SunTube 25	220	708	27.99	1060	569	53.7	0.020
SunTube 35	320	729	27.99	2250	1239	55.1	0.044

Product	Diameter measured [mm]	Total length [mm]	Input illuminance [klx]	Input luminous flux [lm]	Output luminous flux [lm]	Transmittance (efficiency) [%]	Light transfer Φ/E * [m ²]
SunTube 55	520	700	28.32	6010	3529	58.7	0.125

* The standard daylight transfer characteristic represents the equivalent area of an open-sky aperture that would be needed to produce the same amount of light, if there were no losses in the system.

3.2. Thermal transmittance of the assembled system

The thermal transmittance of the assembled system was determined according to the French Régles Th-Bât, Fascicule 3/5, clause 2.2.7.

The thermal transmittance coefficient of the assembled system was determined considering that the Intura SunTube kit does not pass through a room, i.e. it is fully integrated into the roof and in contact with the external environment.

Thermal calculations were performed for each model, considering both possible configurations, i.e. with and without the EcoPower insulation element.

The results are presented in Table 4.

Table 4: Thermal transmittance of the assembled system.

Installation setup	Configuration			Total thermal transmittance coefficient, U_{CL} [W/m ² ·K]		
				SunTube 25	SunTube 35	SunTube 55
Not passing through a room	Without diffuser insulation element			2.44	2.63	2.70
	With EcoPower insulation element	Double glazing unit ($U_g = 1.1$ W/m ² ·K)	With metallic spacer according to EN ISO 10077-2	1.31	1.28	1.17
			With thermally improved spacer (Technoform-Spacer)	0.93	0.94	0.91
		Triple glazing unit ($U_g = 0.6$ W/m ² ·K)	With metallic spacer according to EN ISO 10077-2	1.18	1.12	0.98
			With thermally improved spacer (Technoform-Spacer)	0.70	0.69	0.65

3.3. Thermal transmittance of the light diffuser

The thermal transmittance of the light diffuser kit, composed of the transition collar, ceiling trim, light diffuser pane, and joint sealing tape between the ceiling trim and the ceiling structure, was determined by calculation in accordance with EN ISO 10077-1 and EN ISO 10077-2.

Calculations were performed for both configurations, with and without the diffuser insulation element.

The results are presented in Table 5.

Table 5: Thermal transmittance of the light diffuser.

Configuration			Thermal transmittance coefficient, $U_{\text{diffuser}} [\text{W/m}^2\cdot\text{K}]$		
			SunTube 25	SunTube 35	SunTube 55
Without diffuser insulation element			3.07	3.43	3.81
With <i>EcoPower</i> insulation element	Double glazing unit ($U_g = 1.1 \text{ W/m}^2\cdot\text{K}$)	With metallic spacer according to EN ISO 10077-2	1.47	1.44	1.34
		With thermally improved spacer (Technoform-Spacer)	1.01	1.02	1.01
	Triple glazing unit ($U_g = 0.6 \text{ W/m}^2\cdot\text{K}$)	With metallic spacer according to EN ISO 10077-2	1.31	1.25	1.10
		With thermally improved spacer (Technoform-Spacer)	0.75	0.73	0.70

4. Assessment and verification of constancy of performance (hereinafter AVCP) system applied, with reference to its legal base

According to Decision 1998/436/EC of the European Commission, as amended by European Commission Decision 2001/596/EC, the applicable system of assessment and verification of constancy of performance (further described in Annex IX Regulation (EU) 2024/3110) is System 3.

5. Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at Itecons.

The ETA is issued on the basis of agreed data/information, deposited at Itecons, which identifies the kit and its components that have been assessed and judged. It is the manufacturer's responsibility to ensure that all users of the kit are appropriately informed of the specific conditions laid down in this ETA.

Any changes to the kit, its components or its production process, shall be notified to Itecons prior to their implementation. Itecons will decide whether such changes affect the ETA and, if so, whether further assessment or amendments to the ETA are necessary.

Issued in Coimbra on 31.08.2026

By

Technical Assessment Unit of

Itecons – Instituto de Investigação e Desenvolvimento Tecnológico para a Construção, Energia, Ambiente e Sustentabilidade


Andreia Gil
Senior Official

(Technical Assessment Unit Coordinator)


Validated document

(Administration)

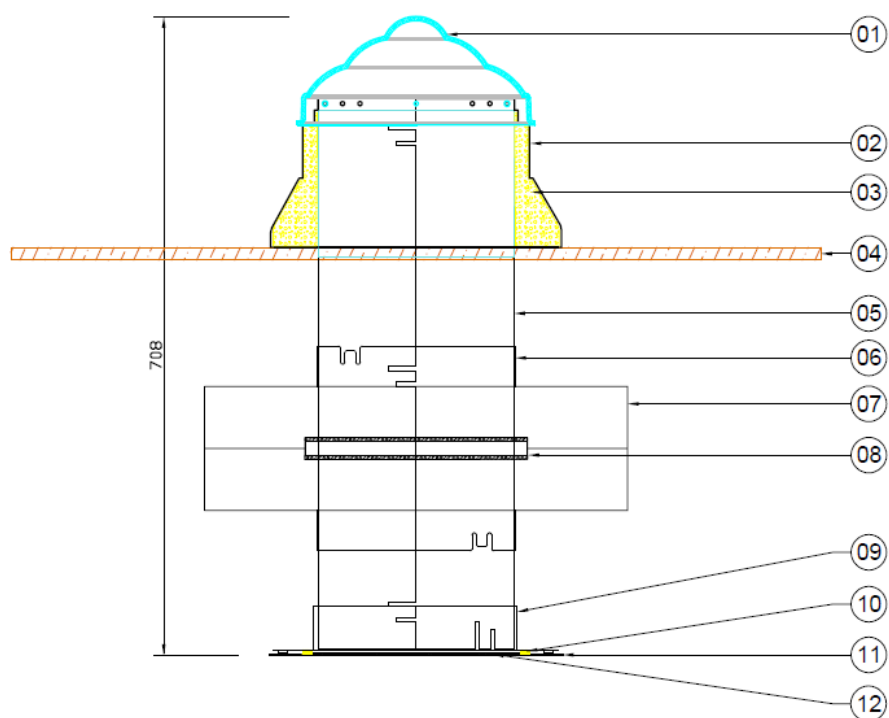
Annex A | Detailed description of the product and drawings

A.1 Components of the Intura SunTube kit

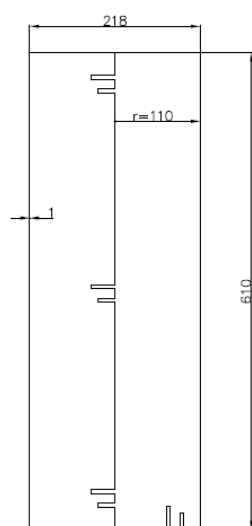
Element	No.	Components		Material		
Light collector	1	Dome		Intura SunTube 25	Soda lime silicate glass $\lambda = 1.00 \text{ W/m}\cdot\text{K}$	
				Intura SunTube 35		
				Intura SunTube 55	Textured polycarbonate sheet or acrylic sheet $\lambda = 0.20 \text{ W/m}\cdot\text{K}$	
	2	Upstand (element connecting the light collector to the light pipe)		Aluminium $\lambda = 160 \text{ W/m}\cdot\text{K}$		
3	Upstand insulation		Polyisocyanurate (PIR) foam $\lambda = 0.022 \text{ W/m}\cdot\text{K}$			
4	Roof covering		EPDM PVC Bitumen Polyvinyl butyral (PVB)			
Light pipe	5	Rigid tube		Aluminium alloy EN AW-1085 0.7 mm thick $\lambda = 160 \text{ W/m}\cdot\text{K}$		
Light diffuser kit	6	Diffuser insulation element (EcoPower insulation element) (optional)	Tube connector	Aluminium alloy EN AW-1085 0.7 mm thick $\lambda = 160 \text{ W/m}\cdot\text{K}$		
	7		Insulation panel	Polyisocyanurate (PIR) $\lambda = 0.022 \text{ W/m}\cdot\text{K}$		
	8		Glazing unit	Double glazing unit $U_g = 1.1 \text{ W/m}^2\cdot\text{K}$	With metallic spacer according to EN ISO 10077-2	
					With thermally improved spacer (Technoform-Spacer)	
				Triple glazing unit $U_g = 0.6 \text{ W/m}^2\cdot\text{K}$	With metallic spacer according to EN ISO 10077-2	
					With thermally improved spacer (Technoform-Spacer)	
	9		Transition collar		Hot dip zinc coated steel sheet/strip DX51D+Z275-M-A-C $\lambda = 50 \text{ W/m}\cdot\text{K}$	
	10		Joint sealing tape between ceiling trim and ceiling structure		Polyurethane foam (TP600 Illbruck) $\lambda = 0.048 \text{ W/m}\cdot\text{K}$	
	11	Ceiling trim		Hot dip zinc coated steel sheet/strip DX51D+Z275-M-A-C $\lambda = 50 \text{ W/m}\cdot\text{K}$		
	12	Light diffuser plate		Acrylic (PERSPEX®) 3 mm thick $\lambda = 0.189 \text{ W/m}\cdot\text{K}$		

A.2 Intura SunTube 25

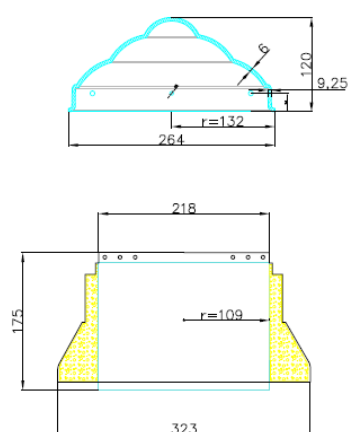
SunTube25 – flat roof



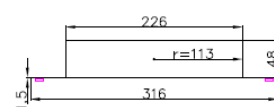
Tube



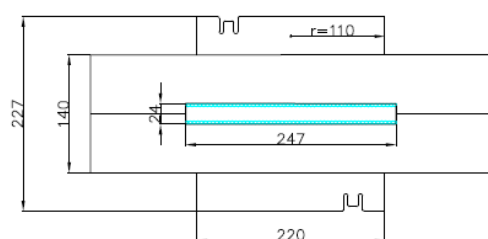
Dome



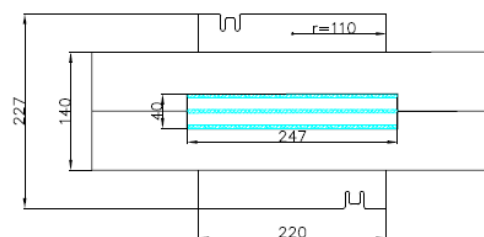
Ceiling element



Isulation element double glazing

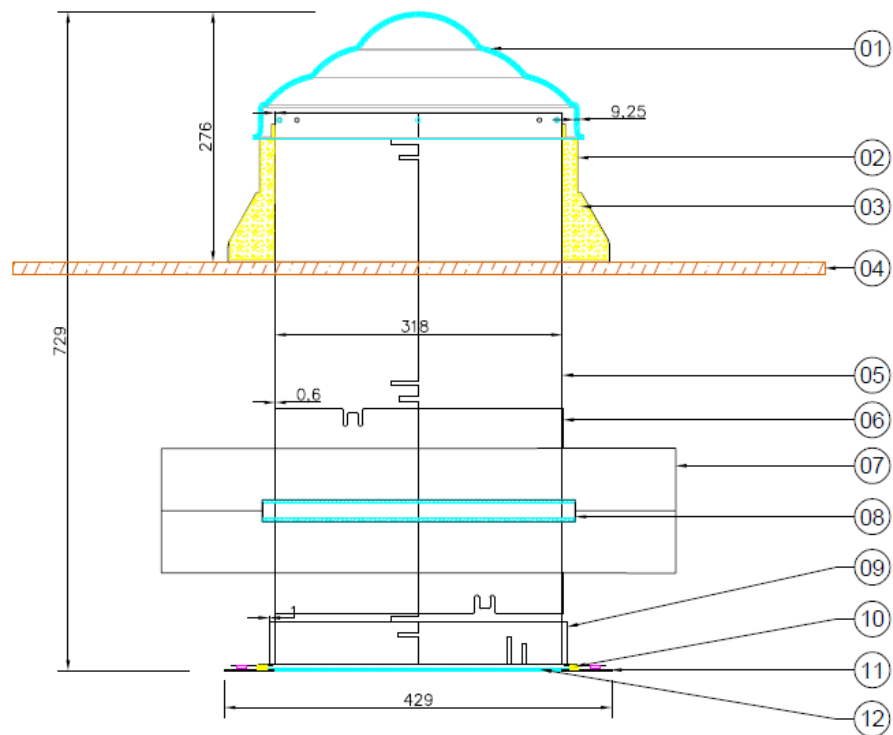


Isulation element triple glazing

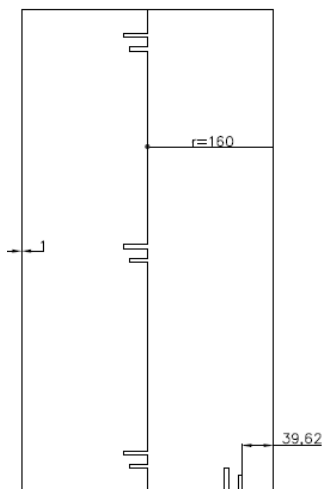


A.3 Intura SunTube 35

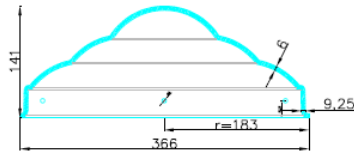
SunTube35 – flat roof



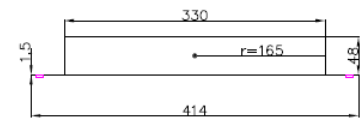
Tube



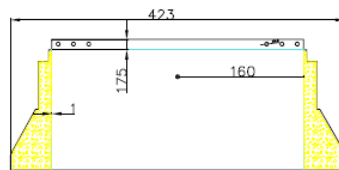
Dome



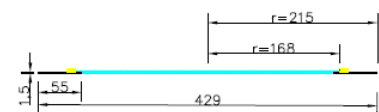
Ceiling element



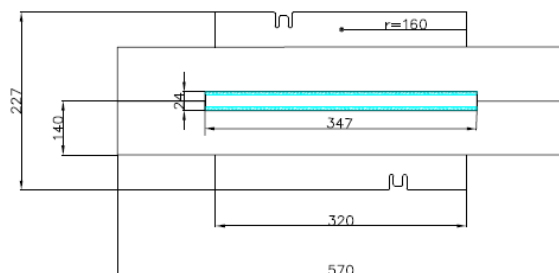
Upstand



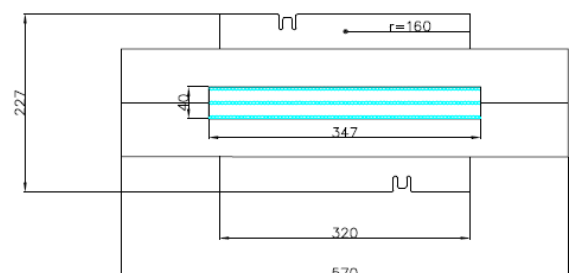
Diffuser



Isulation element double glazing

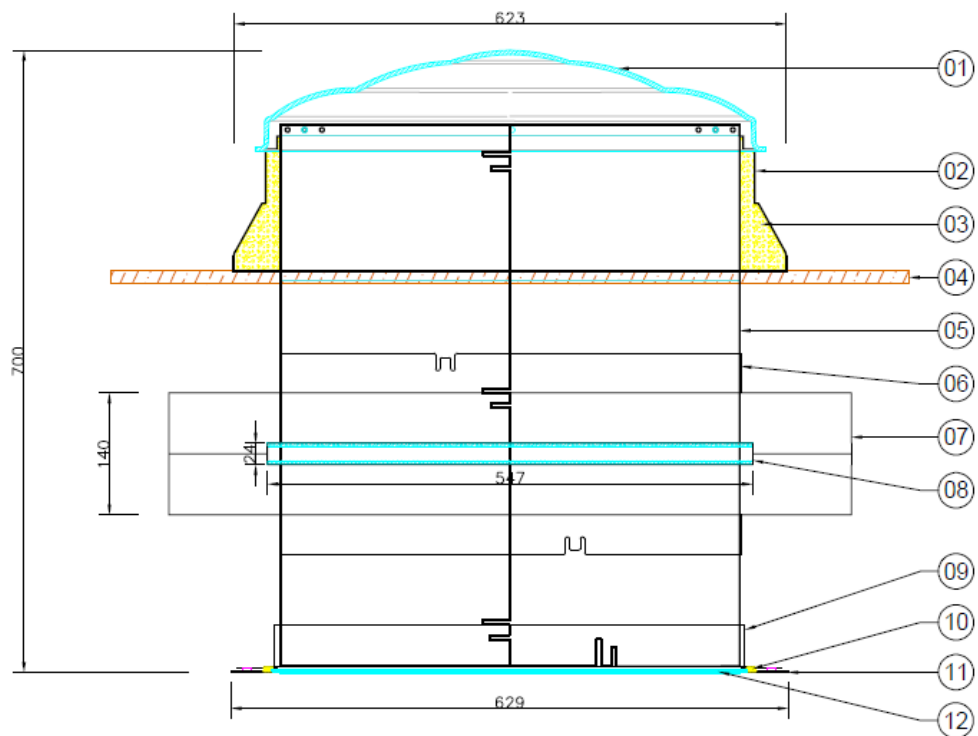


Isulation element triple glazing

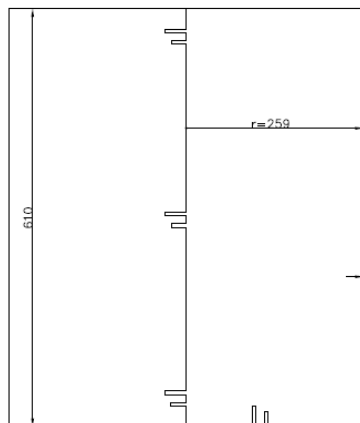


A.4 Intura SunTube 55

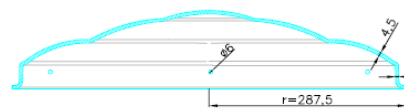
SunTube55 – flat roof



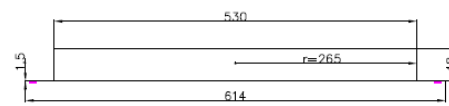
Tube



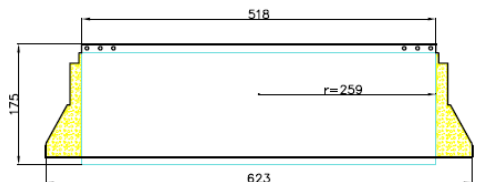
Dome



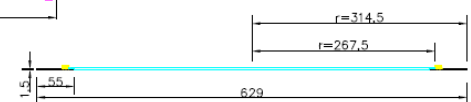
Ceiling element



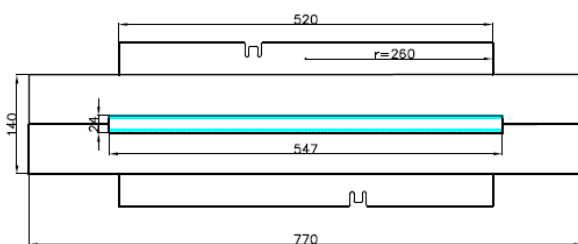
Upstand



Diffuser



Isulation element double glazing



Isulation element triple glazing

