

SLENDERPANE

QUALITY HERITAGE SLIMLINE GLASS SOLUTIONS

INFORMATION PACK 2024

Quick Quote • Glazing Methods • Warranty

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SLENDERPANE

QUALITY HERITAGE SLIMLINE GLASS SOLUTIONS

Glazing Quick Quote – TRADE ONLY

It's quick and easy to use and is guaranteed to speed up your standard orders and quotes. We are now producing toughened glass for our own units down to a size of 120mm x 120mm. For all standard orders we aim to get back to you with a quote within 4 hours and for all orders within 1 business day.

Please be aware the Warranty is only valid where installed by a professional trades person.

Payment for non-account customers in full is required at the time of order confirmation for all purchases under £500.

For information on Slenderpane's glazing guidelines, warranty and our Quick Quote Form please download our Information Pack .

Just click on the fields to input your specification. (We have included advice and tips to help with your selection).

For any special glass units that you require, please give us a call:

Acoustic Glass

Leaded Glass

Restoration Glass

Laminated Glass

Obscure Glass

Self Clean Glass

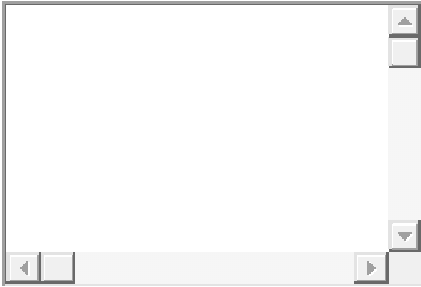
Solar Control Glass

Low Iron Glass

Please complete the form as carefully as possible so that we can respond quickly.

Your Reference

Please specify approx. quantity, sizes and whether toughened or annealed (required)



Thickness

(This is the make up e.g. 4/4/4: 4mm inner and outer pane and a 4mm warm edge spacer giving overall thickness of 12mm.)

10mm Can't be toughened. Can't have low "E" glass so very poor "U" value. NOT RECOMMENDED

11mm - Can only be toughened one side.

12mm - **RECOMMENDED**

14mm - **RECOMMENDED**

10mm **11mm** **12mm** **14mm** **16mm**

Glass Type

Softcoat Low E - Excellent "U" value. Recommended to achieve the lowest "U" value.

No Low E - NOT RECOMMENDED

Softcoat glass orders

Due to an inconsistent supply chain of our softcoat glass we are changing glass producers which may result in a slight difference in the tint of the glass. If you require glass to match a previous order please let us know at the time of enquiry and quote the previous job number.

Softcoat Low E **No Low E**

Spacer Colour

(Black/White - 6,7,8,9 & 11mm / Grey Spacer (only 9 & 11 mm).

Black is **RECOMMENDED**. It gives a good shadow line on slim units.

White is more expensive.

Black **White** **Grey**

Sightlines

(What you see on the face of the unit, where the glass sits on the rebate. Rebate needs to be 1.5mm larger than the sightline.)

6mm - 3 year guarantee on annealed and toughened.

7mm - 10 year guarantee on annealed and toughened. Black recommended. White more expensive.

8mm - 10 year guarantee on annealed and toughened. Black recommended. White more expensive.

9mm - 10 year guarantee on annealed and toughened. Less expensive version of white.

11mm - 10 year guarantee on annealed and toughened.

6 7 8 9 11 Other

Gas

Argon Gas - Will give a lower "U" value in a slim unit. But cost effective. OK for thicker units 20mm+

Krypton Gas - Good "U" value but more expensive

No Gas - Will give very poor "U" value. NOT RECOMMENDED

Krypton Argon No Gas

Toughened Glass

Toughened glass is more expensive than annealed and, due to the toughening process is renowned for problems of warping, scratches and imperfections. The delivery period for toughened is longer than for annealed units.

SAFETY MARKINGS - Toughened units require safety markings. This can be a KITE MARK which is placed in a corner, not necessarily the same corner or a LINE LOGO which runs along the edge and is hardly visible. We can also provide a certificate.

It is well worth only ordering toughened strictly when it is needed to reduce costs. (Please give us a call for guidance).

Toughened Non Toughened

U Value

This indicates the thermal efficiency of units and there are options depending upon budget and efficiency.

Best U Value (more expensive) Standard U Value Low U Value (most economical)

Delivery or Collection

Delivery Collection

Company Address (required)

Delivery Address - if different

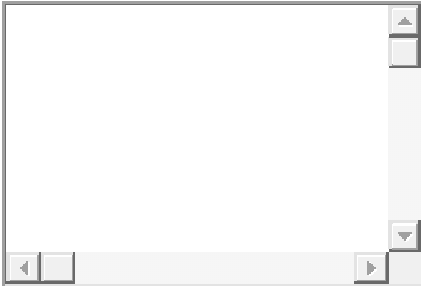
Contact Name (required)

Contact No. (required)

Company Name (required)

Email (required)

Any Special Requirements



Payment for non-account customers is required in full at the time of order confirmation.

Payment details will be issued on your quote. Please include Quote Number when making payment, if possible.

RECOMMENDING GLAZING METHOD WITH FACE PUTTY

Apertures must be dry before glazing. It is imperative that the glazed unit is set on glazing packers and totally sealed so that no moisture can find its way into the rebate and make contact with the seal of the unit. This is the most common cause of units to fail.

Back Bed Using One Of The Options Below

Silfix U9 Silicone.

Security Tape. (With Silfix U9, Sealing The Rebate Beneath The Tape)

Hodgsons Heritage Putty. (This will provide a traditional internal finish)

Set The Units Onto Glazing Packers and push against the upstand rebate.

Secure the unit with diamond points or similar non corrosive sprigs.

Perimeter Seal with Silfix U9 Silicone, Ensuring full coverage of the unit seal.

(Tip: Pushing The Gun rather than pulling it will increase silicone in the void)

Allow the silicone to cure for 24 hours

Once cured face putty depending on frame type with traditional putty from the list below.

Hodgsons Metal Casement (suitable for a non- microporous coating)

Hodgsons Colourglaze (compatible with microporous coatings)

Rapid set Putty compatible with microporous coatings)

Hodgsons Heritage Putty Suitable with water and solvent based systems.

Painting

Both methods require that the putty or beads are over painted with the paint making a good seal on the glass. Painting can be carried out 4 to 14 days after glazing.

Important – Overall we recommend that the glazing is carried out by an experienced glazier.

We do not tape the edge of our units as recommended by Bostik Butyl Hot Melt Product data sheet.

RECOMMENDED GLAZING METHOD WITH BEADS

Apertures must be dry before glazing. It is imperative that the glazed unit is set on glazing packers and totally sealed so that no moisture can find its way into the rebate and make contact with the seal of the unit. This is the most common cause of units to fail.

Back Bed Using One Of The Options Below

Silfix U9 Silicone.

Security Tape With Silfix U9, Sealing The Rebate Beneath The Tape.

Hodgsons Heritage Putty.

Set The Units Onto Glazing Packers and Perimeter Seal with Silfix U9 Silicone, Ensuring full coverage of the unit seal. (Tip: Pushing The Gun rather than pulling it will increase silicone in the void)

Apply further silicone as required to coat the inside of the bead.

The bead can then applied and fixed, with Non Corrosive panel pins.

It is also an option to cap the bead depending on aesthetic requirements.

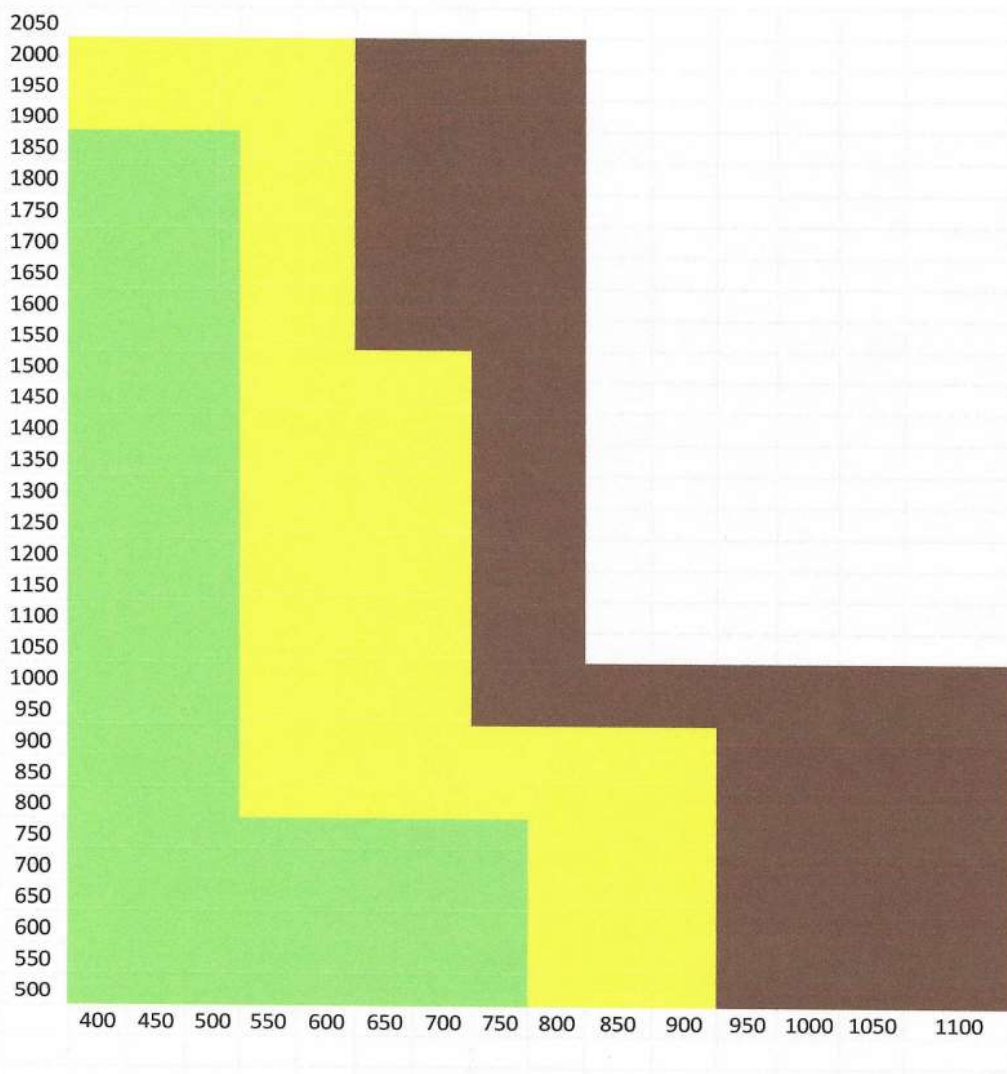
Painting

Both methods require that the putty or beads are over painted with the paint making a good seal on the glass. Painting can be carried out 1 day after glazing.

Important – Overall we recommend that the glazing is carried out by an experienced glazier.

We do not tape the edge of our units as recommended by Bostik Butyl Hot Melt Product data sheet.

Max Units Size Chart



4MM – GREEN

6MM – YELLOW

8MM – BROWN

THE MAXIMUM SIZE UNIT FOR JRS DELIVERY IS 1400MM, OVER 1200MM CHARGED OVERSIZED

THE MAXIMUM SIZE UNIT FOR VAN DELIVERY IS 2000MM

GLAZING USING PUTTY AND GLAZING COMPOUNDS

Version No. 2

Issue Date: 17/12/2012

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PUTTY FRONTING

This is the technique of glazing single panes of glass into timber or metal frames using a setting type of fronting putty such as Hodgson Sealants Multipurpose Putty. The putty is used to bed the glass into the frame rebate and then applied as a triangular fillet (putty fronting) to the external face of the glazing. Regular putty should never be applied as an internal putty fronting as putty does not set correctly when applied in this manner.

Multi Purpose Putty

As the name suggests, this type of putty is suitable for use in primed softwood/hardwood and primed metal frames. Over painting using a good quality solvent based non-microporous paint system is essential once the putty has formed a skin firm enough to accept the actions of overcoating (usually between 7 to 10 days). It is not recommended to overcoat the putty before it has formed a firm skin as this will result in a wrinkled surface and the putty is likely to remain too soft. Overcoating using microporous*/water based** paint or stain finishes is **not** recommended.

Multipurpose putty is best overcoated using a traditional solvent bourn alkyd based undercoat/gloss paint system. This type of paint effectively seals the surface of the putty protecting it from the elements. The service life of the putty is greatly influenced by regular and proper maintenance of the paint system.

Initial setting of Multipurpose Putty occurs in primed porous softwood by the absorption of a small amount of oil into the timber and the loss of a small amount of volatile content or in the case of a non-porous frame the loss of a small amount of volatile content only. The initial set is also accompanied by the formation of a surface skin. Further setting of the putty occurs through continued oxidation of the vegetable oils and may take several months or longer depending upon the size of the putty fillet and the exposure conditions. Multipurpose Putty contains a small amount of polymer which provides it with the ability to accommodate the thermal movement associated with steel frames.

BEAD GLAZING

This is the technique of glazing single panes of glass into timber frames fitted with timber glazing beads using a hand-applied non-setting glazing compound such as Hodgson Sealants Butyl 66 Glazing Compound. The compound is used to bed the glass into the frame and also to bed the beading to the glass. The glazing system can have internal or externally fitted beads.

Butyl 66 Glazing Compound

Butyl 66 is suitable for use as the sole glazing compound for the bead glazing single glass into softwood or hardwood frames. To ensure the best performance from the Glazing Compound and prevent premature failure of the compound, it is essential to seal the glazing surfaces of the rebate and beading using a proprietary shellac based timber sealer. A timber paint primer or base stain will not effectively seal the rebates sufficiently to prevent oil absorption and can lead to premature failure of the putty.

It is essential to overcoat the Glazing compound once it has formed a skin firm enough to accept the actions of overcoating (usually between 7 to 10 days). It is not recommended to overcoat the Glazing Compound before the skin has hardened as this will result in a wrinkled surface to the Compound. Unlike fronting putties, the Glazing Compound can be used in painted or stained frames and is compatible with both microporous* and non-microporous paint/stain finishes. The service life of the Glazing Compound is greatly influenced by regular and proper maintenance of the paint/stain system.

PAINTS AND COATINGS

***Microporous paints/stains;** unlike traditional undercoat/gloss paint systems coatings these allow moisture vapour to pass through them. When exposed to the elements the moisture content of the timber can fluctuate between wet or dry, humid or arid conditions. The continual loss and gain of moisture causes the timber to shrink and swell respectively. When glazing compounds are used between glass (with little or no movement) and timber treated with a microporous coating, the compound requires a degree of plasticity or deformation in order to maintain a weather tight seal. Only Colourglaze possesses the degree of movement required in order to provide this where a traditional putty fronting is desired.

****Unlike the traditional solvent based alkyd paint systems,** many of the acrylic water based paint systems do not offer sufficient protection to the putty and can reduce the service life of the putty.

The information given in this technical information sheet is based on laboratory tests and experience which we believe to be correct. Properties quoted are typical and do not therefore constitute a specification. In view of the wide range and variability of substrates, we would advise that our product should be tested by the user to establish suitability for its intended application. E & OE.

HERITAGE PUTTY

Version No. 3

Revision Date: 28/08/2019

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DESCRIPTION

Heritage Putty is an elastic, paintable, hybrid polymer based, cartridge applied putty for the installation of single glass, insulating glass units (IGUs) and reduced sightline units into softwood, hardwood, steel and stone frames.

For restoration and replacement of glazing in period properties, listed buildings and conservation areas.

For best long-term results, Heritage Putty should be used in conjunction with IGUs that fully meet the requirements of the Construction Products Regulations, have been independently tested, and are manufactured to BS EN 1279 Parts 1-6.

The glazing methodology and the quality of workmanship is of paramount importance in protecting IGU's and laminated products from the effects of moisture. Any glazing methods employed must follow the IGU manufacturer's recommendations, as per GGF Advice 50.5 (available on request).

KEY FEATURES

Proven Moisture cure, durable and permanently elastic putty product.	Suitable for use in contact with the edge sealant of Insulated Glass Units.*
Can be painted within hours**.	Suitable for use in contact with the PVB interlayer of laminated glass.*
Low Residual Tack	High strength and durable.
Sensitiser Free – Limits allergic reactions	Optimised application and tooling properties
Good tooling properties.	Isocyanate, silicone and solvent free.
Suitable for internal or external use.	Good adhesion to most surfaces.

USES

For glazing single or laminated glass where the appearance of a traditional putty front is required.	For glazing Insulating Glass Units (IGU) where the appearance of a traditional putty front is required.
For glazing reduced sightline / slim style / heritage units where the appearance of a traditional putty front is required.	For bead glazing single glass, IGU's or reduced sightline units where a paintable elastic bedding compound is required.
For use in the H1 Glazing System where a sole paintable and elastic bedding and fronting compound is required.	For use in the H5 Glazing System where a paintable elastic bedding compound is required in conjunction with the use of a traditional putty type for fronting.
For use in the H7 Glazing System where a paintable, elastic bedding compound is required where glass types are to be fitted with a bead (bead glazed).	

HERITAGE PUTTY

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PERFORMANCE

Adhesion: Excellent to prepared timber, steel and stone.

Base technology: Hybrid Polymer.

Curing system: Cures in the presence of moisture (moisture cure).

Skin Formation: 10-15 min @23°C @ 50% RH

Shrinkage: <2.5%

Specific gravity: 1.6 g/ml

Slump: Nil

Service temperature range: -40°C to +90°C

Slump: Non Sag

Shore A hardness: 70-75

UV resistance: Excellent

Elongation at break: >150%

Service temperature range: -40°C to +90°C

*Note: Compatibility of Heritage Putty with the edge sealants used to construct insulating glass units is based upon both formal testing with edge seal manufacturers and experience. We do not have any reasons that indicate any incompatibilities; however, the manufacturer can change the formulation and type of edge sealants used at any time. Due to this, compatibility cannot be guaranteed. The glazing method employed should always be based on the glass unit manufacturers' instruction.

**Paintability: Paintable with water and solvent based systems. It is recommended that due to the availability of many different paint types that compatibility tests are conducted prior to painting. Heritage Putty can extend the drying time of solvent-based paint systems, the use of a water based paint system can be considered to avoid this. Skin formation and curing times of Heritage Putty will vary depending upon temperature and humidity, lower temperatures and low humidity will extend rates of cure. For best results, it is recommended to apply paint a few days after glazing.

APPLICATION

PROPERTIES

Application temperature range: +5°C to +30°C

Priming: Surfaces should be primed accordingly, depending upon frame / substrate type.

Shelf life: 18 months when stored in cool, dry conditions.

Skimming time: 20 minutes

Working time: 5-10 minutes

INSTRUCTIONS

Surface preparation: All surfaces must be clean, dry and free from frost, grease and loose materials. Apply primer to rebate if required.

Ensure established good practice is followed for the installation of glass or IGU. In situations where an especially neat finish is required, use masking tape to cover the face edges of the joint and remove immediately once tooling has been completed. Cut the top of the screw thread off the cartridge and screw on the nozzle. Cut nozzle to correct diameter for joint size. If putty fronting this size should be the distance from the front of the glass to the front of the frame. Apply using a skeleton or powered gun into the joint ensuring good contact with surfaces.

Tooling: Tool immediately after sealant has been applied and within the working time for the product.

The use of spray applied mild soap solution along with a suitable tooling block should be considered subject to glazing details.

Cleaning: Excess uncured material can be removed mechanically and surfaces cleaned with soap solution. Do not allow to fully cure on unwanted areas of frame. Cured product can be removed from glass with a window scraper.

PRODUCT DATA SHEET



HERITAGE PUTTY

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EQUIPMENT

A selection of useful tools and accessories is also available and includes hand & air operated guns for cartridge and/or sausage application including a 'high power' type especially suitable for filling deep voids. Tooling and cleaning products will be required.

PACKAGING

290ml cartridges – 12 per case
(600ml foil Sausages – 12 per case upon Request)

Colours: White, Black.

ESTIMATING QUANTITIES

Linear meters of glazing per 290ml cartridge for putty fronting in accordance with H1 Glazing System

		Single Glass		Units	
		Rebate Height		Rebate Height	
		8mm	12mm	8mm	12mm
Platform width	16mm	4.39m	3.12m	-	-
	26mm	2.74m	1.90m	2.93m	2.20m

Based on: 1.5mm thick back bedding
3mm edge clearance
4mm thick single glass
11mm thick slim style IG units

This calculation does not allow for wastage.

HEALTH AND SAFETY

Non-flammable.
Wash hands immediately after use.

See Product Safety Data Sheet for further information.

GENERAL

Heritage Putty is part of a full range of speciality sealants and tapes designed for the professional user. For further information please contact our Customer Care Team or visit our Website.

The information given in this product data sheet is based on laboratory tests and experience which we believe to be correct. Properties quoted are typical and do not therefore constitute a specification. In view of the wide range and variability of substrates, we would advise that our product should be tested by the user to establish suitability for its intended application. E &OE.

SEALED UNITS



Sealed Units provide a high standard of vision. The following is a guide to the quality that can be expected.

Glass used in the manufacture of sealed units is similar to that used traditionally for single glass and will, therefore, have a similar level of visual quality.

Viewing sealed units for scratches on the outer faces of the panes must be carried out before any rendering, plastering or other works adjacent to the glazing takes place, and as early as reasonably practicable following installation.

HOW TO DO A PROFESSIONAL INSPECTION



Stand in the room no less than 2 metres away from the sealed unit and look directly through it.

- For toughened, laminated or coated glasses, stand no less than 3 metres away.
- Where it is not possible to stand at the right distance then stand as far away as you can from the sealed unit.
- Do so in natural daylight, but not directly towards the sun and with no visible moisture on the surface of the glass.
- Exclude 500mm wide band around edge of the glass from the check.
- Glass must be viewed at an angle of 90°

WHAT TO EXPECT WHEN CARRYING OUT AN INSPECTION



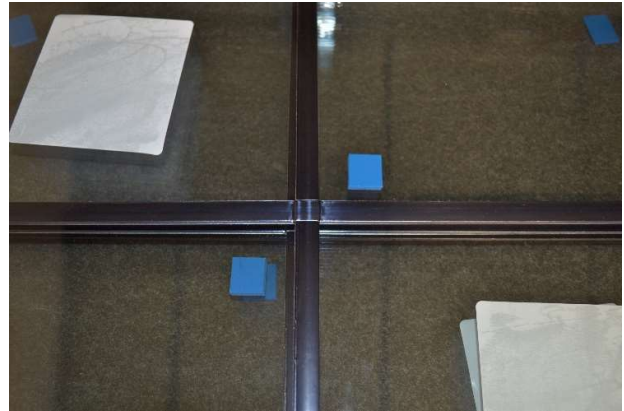
Flat transparent glass, including laminated toughened or coated glass is acceptable if the following are neither obstrusive nor bunched:

- Bubbles or blisters
- Fine scratches not more than 25mm long
- Minute particles

The obtrusiveness of blemishes is judged by looking through the glass, not at it, under natural light. It must be understood that the glass used in sealed units is a processed glass, and as a consequence blemishes are to be expected.

Sealed units with optical defects such as smears, finger prints or other dirt on the cavity faces of the glass, or extraneous material in the cavity are unacceptable, if they are visually disturbing.

SPECIAL GLASSES



Toughened glass may show visual distortions which are accentuated by reflections in sealed units. This is a natural phenomenon and not a fault.

Laminated glass may have a few more blemishes due to it being made of several layers.

Some low emissivity coatings may produce transient visual effects.

In some lighting conditions the coating may look like a transparent film or produce a haze, i.e. a cloudy look to the surface.

When light coloured objects such as net curtains are placed close to the glazing they may look slightly darker.

Warranty Information

DOUBLE GLAZED UNITS

The company will replace any defective Slenderpane sealed double glazed unit supplied, provided it has been installed correctly as per Slenderpane's recommended glazing method.

Warm Edge Spacer (Black, White)

6mm S/L Heritage Spacer – 3 year guarantee from 1st July on 2018 on Toughened and Annealed.
7mm S/L Heritage Spacer – (4, 6, 8mm) – 10 year guarantee from 1st March 2017 on Toughened and Annealed
8mm S/L Heritage Spacer (4, 6, 8mm) – 10year guarantee from 1st March 2017 on Toughened and Annealed

Warm Edge Spacer (Black, White, Grey)

8mm S/L Standard Spacer in Grey – 5 year guarantee from 1st March 2017 on Toughened and Annealed
9mm S/L Standard Spacer (4, 6, 8, 10mm) – 10 year guarantee from 1st March 2017 on Toughened and Annealed
11mm S/L Standard Spacer (4, 6, 8, 10, 12, 14, 16, 18, 20mm) – 10 year guarantee from 1st March 2017 on Toughened and Annealed
(Please note that 11mm is the minimum S/L for any unit)

Geothe annealed 7mm sightline 5 years and Geothe tough 7mm sightline 5 years from 21st January 2020
Cylinder annealed 7mm sightline 5 years and Satin or OBS tough 7mm sightline 5 years from 21st January 2020
Restoration Glass 7mm sightline has 5 years for Toughened and Annealed.
Any of the above on 6mm sightline 1 year guarantee from 21st January 2020

This warranty includes the fault of condensation between the panes of glass, it does not cover the incidence, prevention or elimination of condensation (except between the glasses of the sealed units).
This warranty does not cover breakages and other incidences that occur after the units have been received by the client.

CLAIMS PROCEDURE

1. In the event that the customer believes they have a claim under the guarantee, they shall notify the company in writing.
Please include photographic evidence and proof of purchase including the order number.
 2. The company shall, at its discretion, undertake a site visit.
3. In the event of any disputes the maximum liability of the company will be up to the replacement value of the component.
 4. The company reserves the right to replace the faulty component(s) at its discretion.
5. The company shall not accept liability for any consequential losses (including inter-alia storage costs, installation costs) arising from any material defects under a warranty claim.