



BROMBAL

COMPANY POLICIES
WARRANTY and MAINTENANCE

COMPANY POLICIES

(Client = Dealer, Distributor, Architect, Contractor, or Owner)

QUOTING PROCESS

- a. Quote requests will be returned within 10 working days except for special circumstances. Requests for urgent pricing shall be done on a case-by-case basis and shall not be abused.
- b. Revision requests will be returned within 5 working days.
- c. All quote requests shall be uploaded on the CRM and must include: "Quote Request Form" and detailed elevations, plans with dimensions indicated, windows/doors schedule or take-off to be provided. Verbal or email communications will not be accepted.

ORDER CONTRACTS AND DEPOSITS

- d. Upon signing a contract (through the CRM), the Client may choose to pay in dollars or euros. If the payment will be in dollars, Brombal may "lock" the exchange rate according to prearranged dates. The exchange rate will be locked only after the contract has been signed. Failure to pay on prearranged deadlines will result in penalties based upon the exchange rate value. A deadline payment plan will be submitted and will need to be signed and returned.
- e. Payment terms in euros or dollars with "locked" exchange rates are as follows: 1/3 deposit, 1/3 upon shop drawing approval and balance (including change orders and freight quote) prior to material shipping from the factory. In case the exchange rate has been "locked," the payment deadline will have to be fulfilled even in case of delays on either shop drawing approvals or production delays related to late shop drawing approvals. Delays on payments can result in additional costs due to the exchange rate fluctuation.

SHOP DRAWINGS

- f. Requests for shop drawings to be split are not allowed. The project shops will begin at the same time and only after the contract on the CRM has been signed, the deposit paid, the SDSF filled out completely, and all pertinent details provided. 3-4 days after proper request the technical office reviews the project and before shop drawings begin, a conference call between the Client, the technical office in Italy and possibly the designers is recommended. If DWG-format drawings are not uploaded on the SDSF section on the CRM, shop drawings will be made without wall details. If wall details are requested later, then delays and additional costs will incur. We strongly recommend DWG files be sent.
- g. Lead time for the first shop drawing layout is 3-5 weeks after all steps from section f. have been completed. Lead times can increase depending on project scope, holiday schedules, and workload. Brombal will communicate accordingly.
- h. For projects under 500.000€ included is 1 revision, for projects between 500.000€ and 1.000.000€ included are 2 revisions, for projects over 1.000.000€ are included 3 revisions. Any additional will be made at an hourly cost of €77.
- i. Production will start only after shop drawings are approved by the Client. Drawings must be approved completely; notes such as "pending details" or "hardware to be defined," etc., will prevent a set of drawings from being approved. "Approved with notes" is considered as approval only if notes consist of changes of small dimensions, otherwise the shop drawings will need an additional revision with subsequent approval. Requests for changes after the "record set" will result in a deadline reschedule which will depend on the factory workload. A new deadline will be communicated. This applies to the whole order. Brombal reserves the right to charge additional costs due to production loss / interruptions or changes.

SAMPLES

- j. All sample orders and their shipping costs must be paid for by Client. If a project is sold, then Brombal will provide free finish and glass samples for that project, with shipping costs covered by Client. Additional samples such as mock-up or hardware samples will be invoiced and must be paid for by Client. Co-Op funds will be evaluated for cost-sharing where applicable.

COMPANY POLICIES

CHANGE ORDERS

k. Change orders will be completed after the first shop drawing revision and after the approval of the shop drawings. In both cases Brombal will try to return change orders within 5 working days. If a change order is requested before final approval of the shop drawings, then Brombal will stop working on shop drawings until the change order is approved or denied. Brombal recommends the final proposal to be as accurate as possible to prevent extensive change orders.

LEAD TIMES

l. Production time may vary between 18 to 25 weeks from approval of shop drawing. This time frame depends on the overall project size/ scope and on the material/finish requested and will be discussed during the approval process. Possible delays due to congestion will be communicated within 4 weeks from approval of shop drawings.

Lead time for glass varies upon project and requires several weeks. Brombal is not responsible for any delays caused by the glass manufacturer.

SHIPPING / FREIGHT

m. Freight costs are to be requested through the "Freight Request Form" (FRF) on the CRM. Delivery charges are to be considered as sea freight, from the closest port to the address the Client indicates (other options are available but must be requested on the FRF). Airfreight is also available for which a quote will be provided on the Client's specific request. Any change concerning standard shipping may be subject to additional charges. Additional costs for handling/loading crates into containers will be assessed for Client arranging freight themselves.

n. Deliveries will be carried out by box truck or container as requested. Crates or containers will have to be off-loaded by the Client in no more than two hours. After that time, according to the freight company, additional costs will be charged. Also available for an additional cost (upon request) are lift-gate, pallet, and flatbed trucks. Should the Client request the delivery to be postponed, the freight company may charge for storage and other costs to reschedule the delivery.

WARRANTY CLAIMS FOR SHIPPING DAMAGE

o. The following procedure is to be followed for the Brombal warranty to cover possible damage during shipping:

- Take pictures or video of the inside of the container when doors are opened or of a crate if the delivery is by truck.
- Take pictures of all sides of the crates after they are off-loaded.
- After a crate is opened, take pictures of the interior to prove that the frames or glass were not fastened, protected, or loaded properly and that they moved causing damage.

Claims for damage will be rejected if all the above-mentioned pictures or video are not submitted and if pictures of frames, glass, or any other product are taken after the material has been moved out of the crates.

- Claims related to crate damage caused by improper handling to be ascribed to carrier's actions will be taken into account but must be noted on shipping paperwork before driver leaves. Brombal must be notified within 3 working days.
- Claims due to bad packaging of the frames or glass inside the crates will be taken into consideration if made within 30 days from the receipt of the goods.
- Claims related to frame or glass defects will be taken into consideration if made within 90 days from the receipt of the goods.

p. Once crates get to the jobsite, they need to be stored and opened in a protected and sheltered area. It is strictly prohibited to leave open crates exposed to the weather or leave frames unprotected after they have been taken out from the shipping crate. Everything inside the crates must be protected from damage and weather once uncrated or else the warranty will be void.

COMPANY POLICIES

INSTALLATION

q. Brombal installers are available to help train and assist the Client's installation crews. We especially recommend our installers to assist new Dealers or when complicated installations arise. The Client is still wholly responsible for the installation and any post installation service related requests. It is the Client's responsibility to oversee the proper installations. Brombal is always available to answer questions as needed.

r. An installation manual is available on the CRM (in the document area). All units are subject to strict controls before they leave Brombal's factory and are guaranteed to be in proper working order with all components/accessories required to successfully install the units. Should Clients choose to install the frame themselves, Brombal will not be responsible for improper installations, malfunctioning, or scratches and/or damages to finish. Upon request, Brombal installers are available to supervise, check, or correct possible issues. The cost will be estimated on a case-by-case basis. If Brombal is contacted by 3rd parties to resolve issues because the Client has been unresponsive then any costs incurred by Brombal to correct issues will be invoiced to the Client. If continued poor remarks are received about a Client due to Client's neglect of installation assistance management, Brombal will consider terminating its relationship with the Client.

SPARE PARTS OR THIRD-PARTY PRODUCTS

s. Any defective accessories, such as hardware, friction arms, locks, etc., will be shipped as soon as available via airfreight to the Client as long as they are within the warranty period. The Client must provide pictures/videos of the defective pieces. Brombal will not be responsible for the labor required to change any of the defective accessories.

t. Any defective/damaged frame, glass, or other material which is of Brombal's responsibility, will be expedited through fabrication and shipped via sea freight to the Client as long as they are within the warranty period. The Client must provide pictures/videos of the defective pieces. Production time will vary between 4 to 8 weeks, depending on the factory workload and on the type of product, material, finish . See section u. for glass warranty. Brombal will not be responsible for the labor required to change any of the warrantable products.

GLASS

u. The glass warranty is provided by the glass manufacturer, even though the glass is provided through Brombal. Quality control is based upon the industry standard glass manufacturing policy which is described in the next pages. In the case of glass breakage during shipping, Brombal will provide sea freight for the replacement. Airfreight shipment is not included and must be covered by the Client. Brombal will also cover the glass replacement labor cost following the policy stated below.

	Full Installation *	Temporary Installation **
Glass surface area lower than 10 square feet	\$ 150.00	\$ 50.00
Glass surface area within 10 and 32 square feet	\$ 330.00	\$ 75.00
Glass surface area within 32 and 54 square feet	\$ 390.00	\$ 90.00
Glass surface area within 54 and 86 square feet	\$ 510.00	\$ 150.00
Glass surface area higher than 86 square feet	\$ 750.00	\$ 200.00

Additional + \$ 30.00 for SDL unit

Brombal is not responsible for costs related to: travel time, machinery, scaffolding, overtime or any other additional expenses which the Client may incur. The glass must be clean and inspected before final glazing and attaching the glazing bead.

*Full Installation: glass is completely sealed with glazing bead installed

**Temporary Installation: glass is not sealed and temporary glazing bead is in place



GLASS CRITERIA

PURPOSE

This document establishes the general criteria for assessing the compliance of the glass products during the production. The limits and tolerances set out in this are valid only and exclusively as an internal process requirement. As for the after sales compliance assessment, the criteria expressed in the reference standards are used.

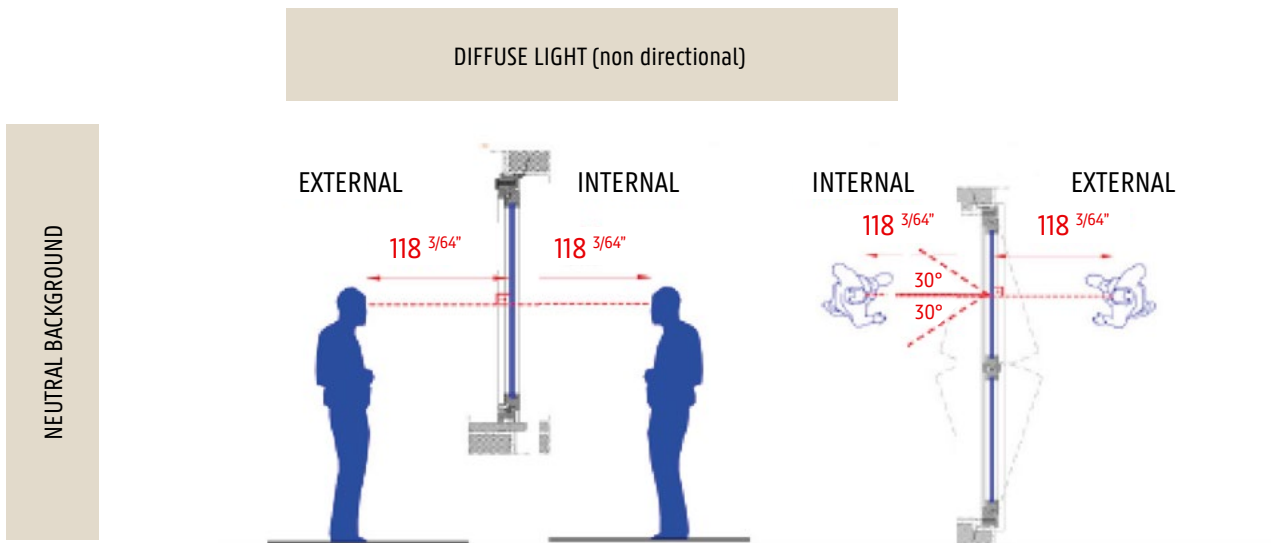
APPLICABILITY

This instruction is applied to all the glass products:

- Annealed glass;
- Laminated glass;
- Tempered glass;
- Hardened glass;
- Enamelled glass;
- Screen printed glass;
- Tempered and stratified glass;
- Insulating glass pane composed of above mentioned elements.

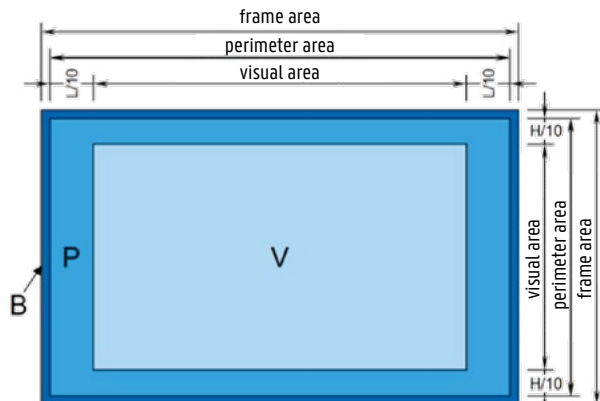
CRITERIA

The glass must be evaluated watching from inside to outside, at a distance of 118 3/64" maximum angle of 30°; the light must be diffused (not directional) and the background must be neutral (no black or white background).
If an issue or blemish is readily apparent, measure the size of blemish.



The glass is divided into 3 areas:

- B : Frame area: has a width of 45/64"
- P: Perimeter area: L/10
- V: Visual area: The rest of the surface



GLASS CRITERIA

OPTICAL DEFECT TOLERANCES

Maximum amount of defects allowed (Depending on the surface dimensions)							
dim.	Surface Defect	1 sqm 10,76 sqf	2 sqm 21,52 sqf	2.5 sqm 26,91 sqf	3 sqm 32,29 sqf	4 sqm 43,05 sqf	5 sqm 53,82 sqf
Area B FRAME AREA (spacer + secondary seal): Without limits, if there is no compromise to the strength of the glass.							
AREA P VISIBLE AREA ON PERIMETER; width = 50mm starting from the visible side of the spacer.							
Bubble inclusions, residual stains points splinters	<input type="radio"/> Until 1/64"	No limit, as long as there's no concentration → (there's concentration if more than 4 flaws occur in an area of 25/32" diameter).					
	<input type="radio"/> Until 3/64"	Maximum 4 defects			Maximum 5 defects		
	<input type="radio"/> Until 5/64"	Maximum 4 defects			Maximum 5 defects		
	<input checked="" type="radio"/> Until 1/8"	Not allowed			Maximum 1 defect		
Scratches	Thin scratches (capillaries)	Maximum single scratch length: 1 3/16"; Sum scratches: maximum 2 23/64";					
	Deep (white → not removable)	Not allowed					
Area V (visible area Central)							
Bubble inclusions, residual stains points splinters	<input type="radio"/> Until 1/64"	No limit, as long as there's no concentration → (there's concentration if more than 4 flaws occur in an area of 25/32" diameter).					
	<input type="radio"/> Until 3/64"	Maximum 2 defects			Maximum 3 defects		
	<input checked="" type="radio"/> Until 5/64"	Not allowed					
Scratches	Surface (capillaries or only on coating)	Maximum single scratch length: 0 19/32"; Sum scratches: maximum 1 3/16";			Maximum length single scratch 0 19/32"; Sum scratches maximum 1 49/64";		
	Deep (white → not removable)	Not allowed					

The evaluation of the P and V areas is the sum of the values of the individual zones.

The maximum number of defects allowed in A + V zones must not exceed the maximum allowable number for the P zone.

In triple insulating glass the defects should be increased by 50%.

GLASS CRITERIA

DIMENSIONAL TOLERANCES

TYPE OF TOLERANCE	FEATURES	ACCEPTANCE CRITERIA	
TOLERANCE BASE-HEIGHT-DIAGONAL FINISHED PRODUCT	Until 39 3/8"	±0 3/64"	
	Over 39 3/8"	-0 5/64", +3/64"	
	Difference between the diagonals	≤0 3/64"	
THICK GLASS	MONOLITHIC GLASS		
	Thickness from 0 1/8" to 0 15/64":	±0,02"	
	Thickness from 0 5/16" to 0 15/32":	±0,02"	
	Thickness from 0 19/32":	±0,04"	
	Thickness from 0 3/4" to 0 63/64":	±0,04"	
	LAMINATED GLASS		
	Summation of the deviation of the single glass that compose the laminated glass more the following deviation		
	Interlayer thickness ≤ 0 5/64":	±0,02"	
	Interlayer thickness ≥ 0 5/64":	±0,025"	
	INSULATING GLASS		
Composed by annealed glass	±0,06"		
All other cases	±0,08"		
DEFORMATIONS OF TEMPERED GLASS	LOCALIZED DEFORMATION	0 1/64" each 11 13/16"	
	GLOBAL DEFORMATION (ratio deformation/glass length)	Float glass according to EN 572	Max. 0 1/64" each 39 3/8"length
		Others (Ex. coated)	Max. 0 5/32" each 39 3/8"length

TOLERANCE ON SEALING AND OFFSET

TYPE OF TOLERANCE	FEATURES	ACCEPTANCE CRITERIA
BUTYL SEALING WEIGHT		≥ 2,5 g/ 39 3/8"
BUTYL SEALING WIDTH		≥ 0 3/32" (maximum overhanging 0 1/64")
FIRST SEALING BARRIER WIDTH	Polysulfide (Thiover)	≥ 0 8/8"
	Silicon	≥ 0 15/64" (see purchase ord.)
EDGE TRIMMING WIDTH	Polysulfide	≥ 0 25/64": -0 3/32", +0 3/64"
	Silicon	≥ 0 33/64"(refer to purch. ord.): -0 3/32", +0 3/64"
GLASS ALIGNMENT on laminated glass		≤ 0 1/16"
GLASS ALIGNMENT on insulating glass	Reference side	≤ 0 1/64"
	I.G. composed by glass with thickness ≤6mm	≤ 0 1/16"
	I.G. composed by glass with thickness >6mm	≤ 03/32"
TOLERANCE BETWEEN GLASS EDGE AND SPACER-PROFILE		
	ALUMINIUM, STAINLESS STEEL AND PLASTIC MATERIALS	±0 1/64" @ 3 9/32ft;

SPECIAL CASES

INTERFERENCE: FRINGE OF BREWSTER (according to standard UNI EN 1279-1)

When the glass surface parallelism is almost perfect, and the quality is high, any interference colors can occur. It consists of variable color rows as a consequence of the light spectrum. If the light source is the sun, the colors vary from red to blue.

This phenomenon is not a defect; it is intrinsic to the insulating glass construction process.

ANISOTROPY (IRIDESCENCE) (according to standard UNI EN 12150-1)

The tempering process produces differently tensioned areas. These tensions generate in the glass surface a birefringent effect known as "leopard spots" and consist of colored areas varying in shape and intensity.

This effect is more noticeable with polarized light. The amount of polarized light depends on weather conditions and the angle of the sunray. The birefringent effect is more evident when viewed in accentuated angle or through polarized lenses.

It is a phenomenon due to the production process (thermal temper) and therefore does not constitute defect.

DISTORTION

The distortion is a localized deviation in a flatness that can look like ripples across the glass, or pockets of indentations.

It's allowed and very common in tempered glass. It's not measurable on site or in a insulated glass.

GLASS SURFACES "WETTABILITY" (EXTERNAL CONDENSATION)

When the outer surfaces of the glass are affected by condensation, rain, or cleaning water; traces may appear due to rollers, fingerprints, labels, paper grains, suction cups, residual sealants, polishes, lubricants, smog, or other environmental factors. It is a temporary phenomenon and is not considered as a defect.

If the problem becomes steady and permanent, then it is recognized as a defect.

RECOMMENDATIONS FOR THE CLIENT

HEAT SOAK TEST

Available upon request; large tempered glass is recommended for Heat Soak Test to limit the number of breakages due to nickel sulphide inclusions.

There is no assumption of responsibility by the Glass manufacturer regarding breakages that occur after the installation.

Glass WARRANTY

Our insulating glass units are guaranteed 10 years guaranteed against inside condensation and dust presence. This warranty is void in the event of glass tampering and/or installation performed in a inappropriate way.

Storage AFTER SALES

The glass shall be stored in places protected from weathering; rain, humidity and continuous direct sunlight exposure can compromise the sealing integrity.

Moreover, a long exposure of the packaged material under the sun can produce high temperature due to the lack of adequate ventilation, or shadow areas in glass surface can create inhomogeneous heating which generate tensions in the glass that may determine its breakage or defects.

In the case of box packaging or crate packaging, before opening, ensure that the packaging inclination is enough to avoid the spontaneous reversal of the glass towards the open side.

GALVANIZED STEEL FEATURES

1. GALVANIZED STEEL LIQUID PAINTED LIMITED PRODUCT WARRANTY

Brombal warrants that the galvanized steel windows and related trim will be free from manufacturing defects, as more specifically set forth below.

a. FINISH:

- i. Standard finish (Available for project located over 3 miles from the coast)
 - Textured finish
 - Any other paint finish will be liquid
- ii. Coastal finish (Required for any project less than 3 miles from the coast)

b. FINISH WARRANTY

- i. Is warranted to be free from defects in materials and workmanship under normal conditions of use, ordinary wear and tear excepted, for a period of ten (10) years from the date of substantial completion (shipping date from the factory). If during the warranty period Brombal determines, in its sole discretion, that any material or individual system/frame requires excessive maintenance or repair, such material or individual system/frame shall be repaired by Brombal at no cost to Buyer. If replacement of frames is necessary, installation or labor for the replacement of frames is not included as well as any other related cost.
- ii. The limited warranty set forth in the preceding paragraph b(i) is limited to defects arising from rusting of the window frame, chalking or other coating failure under ordinary use. This limited warranty shall not cover any rusting, chalking, coating damage and/or other damage caused by misuse, damage, negligence, lack of maintenance or any other act or omission by Buyer or any third party.
- iii. The coating color may slightly change shades of color in the long period due to weather conditions such as direct exposure to sunshine or continuous water dripping. The warranty will not cover these slight color variations.

Coastal liquid paint finish is required within 3 miles of the coastline in order for warranty to be valid.

c. FRAMES (EXCLUDING THE FINISH):

Frames are warranted to be free from defects in materials and workmanship under normal conditions of use, ordinary wear and tear excepted, for a period of fifteen (15) years from the date of substantial completion (shipping date from the factory). If during the warranty period Brombal determines, in its sole discretion, that any material or system requires excessive maintenance or repair, such material or system shall be replaced or repaired by Brombal at no cost to Buyer. If replacement of frames is necessary, installation or labor for the repair is not included as well as any other cost. This limited express warranty does not extend to accessories, glass, and hardware. The warranty set forth in this Section shall not be valid for any goods located in coastal climates (i.e., any area within 3 miles of the coastline) and badly polluted/industrial areas, if the coastal paint finish is not applied.

d. HARDWARE:

Hardware and any mechanical accessories provided by Brombal are warranted to be free from defects in materials and workmanship under normal conditions of use, ordinary wear and tear excepted, for two (2) years from date of delivery excluding shipping or mishandling damage caused by others, improper use, incorrect installation or circumstances beyond Brombal's control. If during the warranty period Brombal determines, in its sole discretion, that any hardware requires excessive maintenance or repair, such hardware shall be replaced by Brombal at no cost to Buyer. Installation or labor for the repair is not included as well as any other related costs.

GALVANIZED STEEL FEATURES

e. EXCLUSION OF WARRANTY:

This limited express warranty is fully conditional upon Buyer strictly adhering to the maintenance requirements attached hereto (the "maintenance requirements").

Failure to comply with such maintenance requirements will result in all warranties being null and void. Brombal reserves the right to determine, in its sole discretion, whether or not Buyer has adhered to the maintenance requirements and may, but shall not be required to have a technician inspect the products in connection with such determination. Brombal's determination shall be final and binding.

f. MISCELLANEOUS:

- i. Brombal can provide performance evaluations on standard product sizes/types. It is the responsibility of the Client to communicate any product performance requirements which are in excess to Brombal's standard performance. Brombal will determine if it can warranty non-standard size/type units. If Brombal cannot provide or meet the requested performance then a note on the shop drawings will indicate the unit in question is not warrantied.
- ii. This limited warranty does not extend to any defects, failures, losses or damages due to misuse or improper use or operation, including but not limited to any operation beyond rated capacity, use of the goods not in compliance with service manuals and instructions, labels or warnings, or due to or use of the goods by untrained or unqualified persons; substitution of parts or other alteration or modification carried out without Brombal's prior written consent; repairs carried out by Buyer or third parties which in Brombal's judgment adversely affect the goods; erosion; corrosion; accident; abuse; neglect; normal wear and tear; negligence (other than Brombal's); or faulty or improper installation, or lack of maintaining the product. This limited warranty also does not apply to defects or issues arising from material or product provided or modified by the Buyer. To the extent that Buyer or its agents have supplied specifications, information, representation of operating conditions or other data to Brombal or its distributor in the selection or design of the goods and the preparation of the quotation, and in the event that actual operating conditions or other conditions differ from those represented by Buyer, any warranties or other provisions contained herein which are affected by such conditions shall be null and void.
- iii. Any claim by Buyer for breach of the manufacturer's limited warranty must be made in writing and sent to Brombal within the warranty periods specified above. The writing shall contain sufficient detail to permit identification of the defect. If not made within said warranty periods, such claim shall be conclusively deemed to have been waived.
- iv. Upon receiving Buyer's notice of defect, Brombal shall, at its option, repair or replace the goods (or parts thereof). Buyer shall also be responsible for the cost of travel for any Brombal personnel required at the Buyer's premises. The cost of service for any work not covered under this limited warranty shall be as agreed in writing by Buyer and Brombal. Failure by Buyer to give such written notice of defect within the applicable time period shall be deemed an absolute and unconditional waiver of Buyer's claim for such defects. Goods repaired or replaced during the warranty period shall be covered only by the foregoing warranty for the remainder of the original warranty period. The original warranty period shall not be extended. Notwithstanding the provisions contained in the preceding sentences of this paragraph, Buyer shall be deemed to have accepted the goods and absolutely and unconditionally waived their rights to claim for any defects: if the goods are otherwise used or altered in any way.
- v. Warranty services will be provided by the Client who contracted with Brombal. It is the responsibility of the Client to facilitate ordering the replacement parts and provide assistance in the field to make the necessary repairs.
- vi. Attached are the Maintenance Requirements.

We make no other express or implied representation or warranty of any kind regarding the product.

In particular we assume no responsibility for improper usage, failure of the product due to faulty installation or building construction or design, improper handling or failure to follow instructions regarding the product or not protecting the product prior to or during installation/construction.

GALVANIZED STEEL FEATURES

2. MAINTENANCE REQUIREMENTS

a. INSTALLATION AND HANDLING

Upon receiving the frames, compliance with the points listed below are essential during handling of the frames (transportation from the crate to its placement location, temporary protection while handling the frames for installation) responsibility prior to the installation, up to the final inspection and acceptance.

These requirements may be summed up as follows:

- avoid leaving the frames crated/packaged for a long time in a closed and damp environment;
- avoid all direct contact of the material with seawater or with materials or any type of acidic solution that could generate a galvanic reaction;
- avoid all direct contact with mortar or plaster/gypsum: if these materials contact the surface of the frame the affected surface must be washed immediately with water to remove these contaminants;
- avoid application of any adhesive material that could cause damage (labels, temporary protection, tape, etc) on the pre-treated surfaces;
- avoid all direct contact of pre-treated surfaces with other materials (wooden- boards, cement, etc);
- all packaging material must be removed from the surface of the frames if they are left in the sun;
- frames must be protected from dust and debris once they are removed from the crates, during construction, through completion of the project. From the goods off-loading until the final inspection and acceptance, the goods are the responsibility of Brombal' s Client.

b. MAINTENANCE OF FRAME SURFACES

Never use aggressive detergents or steel wool for cleaning, only mild liquids: in any case it is inadvisable to leave too much liquid on the surface of the section since it could promote further oxidation and damage. Non-alkaline detergent and warm water may be safely applied using a soft clean cloth or sponge or nothing harsher than a soft bristle brush or non-abrasive nylon pad. If there is any doubt test the cleaning on an unobtrusive area of the surface. This cleaner should be in the same concentration and be applied in the manner intended for the job. It should not remain in place so that it dries, after which the area should be inspected for stains or for softening or dissolution of the finish.

c. FREQUENCY OF CLEANING

Regardless of the material the frames are built in, the accumulation of atmospheric grime makes it necessary to clean the surface regularly to maintain its appearance.

For galvanized liquid painted frames, which are located in relatively clean rural locations, it is required that cleaning be carried out at least twice per year (once every 6 months) or more frequently depending upon the possibility of contaminants which would cause damage to the finish frames for coastal environments.

Within 3 miles of the coast, cleaning should occur as often as needed (but no less than 6 times per year) to prevent salt deposit or any corrosive build-up that could damage frames/finish or hardware. Each environment is different, so frequency will vary.

Providing the required frequency is maintained it should never be necessary to use strong or harsh cleaners, which are more aggressive than non-alkaline detergents. If stronger cleaners are applied, be sure to remove any residue and rinse with clear water, then wipe dry immediately. If cleaning is carried out less frequently than required, the surface cannot be restored with the occasional use of more aggressive cleaners. Such cleaners could damage the finish, the metal, the glazing and sealing systems and even the glass: therefore, such practices should be avoided. Contact a Brombal representative before applying any cleaners stronger than non-alkaline detergent. The periodical cleaning must be done by a qualified company and the receipts must be preserved and show frames, hardware, and glass where cleaned properly. Maintaining frames and hardware in coastal environments must begin after the units have been installed (during construction).

3. SEALANTS

Silicone Sealants generally have a life expectancy in excess of 25 years provided they are applied in accordance with sealant manufacturer's instructions. They are maintenance free and should not be painted. An inspection of visible sealant joints should be made after two years and thereafter every five years. Should a seal deteriorate or suffer a lack of adhesion, it should be cut out and replaced with fresh application.

GALVANIZED STEEL FEATURES

4. MAINTENANCE OF FITTINGS

Internal mechanisms should be cleaned with a solution of non-alkaline detergent and warm water. This can be conveniently done at the same time and frequency as the cleaning of the frames and glass. To maintain operating efficiency, a year after installation and thereafter annually, lubricate all moving parts of hinges, locking mechanisms, restricting arms and safety catches with WD40 or similar lubricant, unless there is an obvious requirement for friction when adjustment, as required, should be made in lieu of lubrication. Also check fitting attachment screws for tightness and adjust as necessary.

Weather-strips should be periodically inspected for integrity and replaced as necessary; they should never be painted.

5. REPAIRS TO SURFACE

Minor scratches or slight damage to liquid paint can be touched up with a matching colored air-drying paint. Brass and Cor-Ten are natural materials with peculiar finishes; touch up is very difficult. Please contact us to see if touch up is possible on these products. Stainless Steel is a natural material and touch up is not possible.

6. REPLACEMENTS

For replacements of damaged or broken fittings and weather-strips, write to the address below:
Brombal srl - Via Vallà, 24 - 31030 Altvole (TV) Italy - info@brombal.it

FOR ALL MATERIALS: STEEL WOOL, STRONG ACIDS & ALKALIS AND ABRASIVE CLEANERS SHOULD NEVER BE USED

BI-METAL FEATURES

1. BI-METAL LIQUID PAINTED LIMITED PRODUCT WARRANTY

Brombal warrants that the bi-metal liquid painted windows and related trim will be free from manufacturing defects, as more specifically set forth below.

a. FINISH:

- Bi-metal will be only liquid paint finish

b. FINISH WARRANTY

- i. Is warranted to be free from defects in materials and workmanship under normal conditions of use, ordinary wear and tear excepted, for a period of twelve (12) years from the date of substantial completion (shipping date from the factory). If during the warranty period Brombal determines, in its sole discretion, that any material or individual system/frame requires excessive maintenance or repair, such material or individual system/frame shall be repaired by Brombal at no cost to Buyer. If replacement of frames is necessary, installation or labor for the replacement of frames is not included as well as any other related cost.
- ii. The limited warranty set forth in the preceding paragraph b(i) is limited to defects arising from rusting of the window frame, chalking or other coating failure under ordinary use. This limited warranty shall not cover any rusting, chalking, coating damage and/or other damage caused by misuse, damage, negligence, lack of maintenance or any other act or omission by Buyer or any third party.
- iii. The coating color may slightly change shades of color in the long period due to weather conditions such as direct exposure to sunshine or continuous water dripping. The warranty will not cover these slight color variations.

c. FRAMES (EXCLUDING THE FINISH):

Frames are warranted to be free from defects in materials and workmanship under normal conditions of use, ordinary wear and tear excepted, for a period of fifteen (15) years from the date of substantial completion (shipping date from the factory). If during the warranty period Brombal determines, in its sole discretion, that any material or system requires excessive maintenance or repair, such material or system shall be replaced or repaired by Brombal at no cost to Buyer. If replacement of frames is necessary, installation or labor for the repair is not included as well as any other cost. This limited express warranty does not extend to accessories, glass, and hardware.

d. HARDWARE:

Hardware and any mechanical accessories provided by Brombal are warranted to be free from defects in materials and workmanship under normal conditions of use, ordinary wear and tear excepted, for two (2) years from date of delivery excluding shipping or mishandling damage caused by others, improper use, incorrect installation or circumstances beyond Brombal's control. If during the warranty period Brombal determines, in its sole discretion, that any hardware requires excessive maintenance or repair, such hardware shall be replaced by Brombal at no cost to Buyer. Installation or labor for the repair is not included as well as any other related costs.

e. EXCLUSION OF WARRANTY:

This limited express warranty is fully conditional upon Buyer strictly adhering to the maintenance requirements attached hereto (the "maintenance requirements").

Failure to comply with such maintenance requirements will result in all warranties being null and void. Brombal reserves the right to determine, in its sole discretion, whether or not Buyer has adhered to the maintenance requirements and may, but shall not be required to, have a technician inspect the products in connection with such determination. Brombal's determination shall be final and binding.

f. MISCELLANEOUS:

- i. Brombal can provide performance evaluations on standard product sizes/types. It is the responsibility of the Client to communicate any product performance requirements which are in excess to Brombal's standard performance. Brombal will determine if they can warranty non-standard size/type units. If Brombal cannot provide or meet the requested performance then a note on the shop drawings will indicate the unit in question is not warrantied.
- ii. This limited warranty does not extend to any defects, failures, losses or damages due to misuse or improper use or operation, including but not limited to any operation beyond rated capacity, use of the goods not in compliance with service manuals and instructions, labels or warnings, or due to or use of the goods by untrained or unqualified persons; substitution of parts or other alteration or modification carried out without Brombal's prior written consent; repairs carried out by Buyer or third parties which in Brombal's judgment adversely affect the goods; erosion; corrosion; accident; abuse; neglect; normal wear and tear; negligence (other than Brombal's); or faulty or improper installation, or lack of maintaining the product. This limited warranty also does not apply to defects or issue arising from material or product provided or modified by the Buyer. To the extent that Buyer or its agents have supplied specifications, information, representation of operating conditions or other data to Brombal or its distributor in the selection or design of the goods and the preparation of the quotation, and in the event that actual operating conditions or other conditions differ from those represented by Buyer, any warranties or other provisions contained herein which are affected by such conditions shall be null and void.
- iii. Any claim by Buyer for breach of the manufacturer's limited warranty must be made in writing and sent to Brombal within the warranty periods specified above. The writing shall contain sufficient detail to permit identification of the defect. If not made within said warranty periods, such claim shall be conclusively deemed to have been waived.
- iv. Upon receiving Buyer's notice of defect, Brombal shall, at its option, repair or replace the goods (or parts thereof). Buyer shall also be responsible for the cost of travel for any Brombal personnel required at the Buyer's premises. The cost of service for any work not covered under this limited warranty shall be as agreed in writing by Buyer and Brombal. Failure by Buyer to give such written notice of defect within the applicable time period shall be deemed an absolute and unconditional waiver of Buyer's claim for such defects. Goods repaired or replaced during the warranty period shall be covered only by the foregoing warranty for the remainder of the original warranty period. The original warranty period shall not be extended. Notwithstanding the provisions contained in the preceding sentences of this paragraph, Buyer shall be deemed to have accepted the goods and absolutely and unconditionally waived their rights to claim for any defects: if the goods are otherwise used or altered in any way.
- v. Warranty services will be provided by the Client who contracted with Brombal. It is the responsibility of the Client to facilitate ordering the replacement parts and provide assistance in the field to make the necessary repairs.
- vi. Attached are the Maintenance Requirements.

We make no other express or implied representation or warranty of any kind regarding the product.

In particular we assume no responsibility for improper usage, failure of the product due to faulty installation or building construction or design, improper handling or failure to follow instructions regarding the product or not protecting the product prior to or during installation/construction.

BI-METAL FEATURES

2. MAINTENANCE REQUIREMENTS

a. INSTALLATION AND HANDLING

Upon receiving the frames, compliance with the points listed below are essential during handling of the frames (transportation from the crate to its placement location, temporary protection while handling the frames for installation) responsibility prior to the installation, up to the final inspection and acceptance.

These requirements may be summed up as follows:

- avoid leaving the frames crated/packaged for a long time in a closed and damp environment;
- avoid all direct contact of the material with seawater or with materials or any type of acidic solution that could generate a galvanic reaction;
- avoid all direct contact with mortar or plaster/gypsum: if these materials contact the surface of the frame the affected surface must be washed immediately with water to remove these contaminants;
- avoid application of any adhesive material that could cause damage (labels, temporary protection, tape, etc) on the pre-treated surfaces;
- avoid all direct contact of pre-treated surfaces with other materials (wooden- boards, cement, etc);
- all packaging material must be removed from the surface of the frames if they are left in the sun;
- frames must be protected from dust and debris once they are removed from the crates, during construction, through completion of the project.

From the goods off-loading until the final inspection and acceptance, the goods are the responsibility of Brombal' s Client.

b. MAINTENANCE OF FRAME SURFACES

Never use aggressive detergents or steel wool for cleaning, only mild liquids: in any case it is inadvisable to leave too much liquid on the surface of the section since it could promote further oxidation and damage. Non-alkaline detergent and warm water may be safely applied using a soft clean cloth, sponge, or nothing harsher than a soft bristle brush or non-abrasive nylon pad. If there is any doubt, test the cleaning on an unobtrusive area of the surface. This cleaner should be in the same concentration and be applied in the manner intended for the job. It should not remain in place so that it dries, after which the area should be inspected for stains or for softening or dissolution of the finish.

c. FREQUENCY OF CLEANING

Regardless of the material the frames are built in, the accumulation of atmospheric grime makes it necessary to clean the surface regularly to maintain its appearance.

For liquid painted frames, which are located in relatively clean rural locations, it is required that cleaning be carried out at least twice per year (once every 6 months) or more frequently depending upon the possibility of contaminants which would cause damage to the finish frames for coastal environments.

Within 3 miles of the coast, cleaning should occur as often as needed (but no less than 6 times per year) to prevent salt deposit or any corrosive build-up that could damage frames/finish or hardware. Each environment is different, so frequency will vary.

Providing the required frequency is maintained it should never be necessary to use strong or harsh cleaners, which are more aggressive than non-alkaline detergents. If stronger cleaners are applied be sure to remove any residue and rinse with clear water, then wipe dry immediately. If cleaning is carried out less frequently than required, the surface cannot be restored with the occasional use of more aggressive cleaners. Such cleaners could damage the finish, the metal, the glazing and sealing systems and even the glass: therefore, such practices should be avoided. Contact a Brombal representative before applying any cleaners stronger than non-alkaline detergent. The periodical cleaning must be done by a qualified company and the receipts must be preserved and show frames, hardware, and glass where cleaned properly. Maintaining frames and hardware in coastal environments must begin after the units have been installed (during construction).

BI-METAL FEATURES

3. SEALANTS

Silicone Sealants generally have a life expectancy in excess of 25 years provided they are applied in accordance with sealant manufacturer's instructions. They are maintenance free and should not be painted. An inspection of visible sealant joints should be made after two years and thereafter every five years. Should a seal deteriorate or suffer a lack of adhesion, it should be cut out and replaced with fresh application.

4. MAINTENANCE OF FITTINGS

Internal mechanisms should be cleaned with a solution of non-alkaline detergent and warm water. This can be conveniently done at the same time and frequency as the cleaning of the frames and glass. To maintain operating efficiency, a year after installation and thereafter annually, lubricate all moving parts of hinges, locking mechanisms, restricting arms and safety catches with WD40 or similar lubricant, unless there is an obvious requirement for friction when adjustment, as required, should be made in lieu of lubrication. Also check fitting attachment screws for tightness and adjust as necessary.

Weather-strips should be periodically inspected for integrity and replaced as necessary; they should never be painted.

5. REPAIRS TO SURFACE

Minor scratches or slight damage to liquid paint can be touched up with a matching colored air-drying paint. Brass and Cor-Ten are natural materials with peculiar finishes; touch up is very difficult. Please contact us to see if touch up is possible on these products. Stainless Steel is a natural material and touch up is not possible.

6. REPLACEMENTS

For replacements of damaged or broken fittings and weather-strips, write to the address below:
Brombal srl - Via Vallà, 24 - 31030 Altvole (TV) Italy - info@brombal.it

FOR ALL MATERIALS: STEEL WOOL, STRONG ACIDS & ALKALIS AND ABRASIVE CLEANERS SHOULD NEVER BE USED

COR-TEN STEEL FEATURES

1. COR-TEN LIMITED PRODUCT WARRANTY

Brombal warrants that the Cor-Ten windows and related trim will be free from manufacturing defects.

a. FINISH WARRANTY

Brombal provides no warranty for the finish of its Cor-Ten frames. Because of the natural characteristics of Cor-Ten, it will naturally oxidize to a dark reddish-brown patina with exposure to the environment and will have variations in the finish color and tones. A light application of beeswax may be applied to help slow the oxidation process if desired. Please note that Cor-Ten Steel can have run off which can cause staining of surrounding surfaces. For this reason, especially on coastal climates (i.e., any area within 3 miles of the coastline), it is highly recommended to create a drainage system below the frames in order to control any unwanted effects from oxidation.

b. FRAMES (EXCLUDING THE FINISH):

Frames are warranted to be free from defects in materials and workmanship under normal conditions of use, ordinary wear and tear excepted, for a period of fifteen (15) years from the date of substantial completion (shipping date from the factory). If during the warranty period Brombal determines, in its sole discretion, that any material or system requires excessive maintenance or repair, such material or system shall be replaced or repaired by Brombal at no cost to Buyer. If replacement of frames is necessary, installation or labor for the repair is not included as well as any other cost. This limited express warranty does not extend to accessories, glass, and hardware.

c. HARDWARE:

Hardware and any mechanical accessories provided by Brombal are warranted to be free from defects in materials and workmanship under normal conditions of use, ordinary wear and tear excepted, for two (2) years from date of delivery excluding shipping or mishandling damage caused by others, improper use, incorrect installation or circumstances beyond Brombal's control. If during the warranty period Brombal determines, in its sole discretion, that any hardware requires excessive maintenance or repair, such hardware shall be replaced by Brombal at no cost to Buyer. Installation or labor for the repair is not included as well as any other related costs.

d. EXCLUSION OF WARRANTY:

This limited express warranty is fully conditional upon Buyer strictly adhering to the maintenance requirements attached hereto (the "maintenance requirements").

Failure to comply with such maintenance requirements will result in all warranties being null and void. Brombal reserves the right to determine, in its sole discretion, whether or not Buyer has adhered to the maintenance requirements and may, but shall not be required to, have a technician inspect the products in connection with such determination. Brombal's determination shall be final and binding.

e. MISCELLANEOUS:

- i. Brombal can provide performance evaluations on standard product sizes/types. It is the responsibility of the Client to communicate any product performance requirements which are in excess to Brombal's standard performance. Brombal will determine if they can warranty non-standard size/type units. If Brombal cannot provide or meet the requested performance then a note on the shop drawings will indicate the unit in question is not warrantied.
- ii. This limited warranty does not extend to any defects, failures, losses or damages due to misuse or improper use or operation, including but not limited to any operation beyond rated capacity, use of the goods not in compliance with service manuals and instructions, labels or warnings, or due to or use of the goods by untrained or unqualified persons; substitution of parts or other alteration or modification carried out without Brombal's prior written consent; repairs carried out by Buyer or third parties which in Brombal's judgment adversely affect the goods; erosion; corrosion; accident; abuse; neglect; normal wear and tear; negligence (other than Brombal's); or faulty or improper installation, or lack of maintaining the product. This limited warranty also does not apply to defects or issue arising from material or product provided or modified by the Buyer. To the extent that Buyer or its agents have supplied specifications, information, representation of operating conditions or other data to Brombal or its distributor in the selection or design of the goods and the preparation of the quotation, and in the event that actual operating conditions or other conditions differ from those represented by Buyer, any warranties or other provisions contained herein which are affected by such conditions shall be null and void.
- iii. Any claim by Buyer for breach of the manufacturer's limited warranty must be made in writing and sent to Brombal within the warranty periods specified above. The writing shall contain sufficient detail to permit identification of the defect. If not made within said warranty periods, such claim shall be conclusively deemed to have been waived.

COR-TEN STEEL FEATURES

- iv. Upon receiving Buyer's notice of defect, Brombal shall, at its option, repair or replace the goods (or parts thereof). Buyer shall also be responsible for the cost of travel for any Brombal personnel required at the Buyer's premises. The cost of service for any work not covered under this limited warranty shall be as agreed in writing by Buyer and Brombal. Failure by Buyer to give such written notice of defect within the applicable time period shall be deemed an absolute and unconditional waiver of Buyer's claim for such defects. Goods repaired or replaced during the warranty period shall be covered only by the foregoing warranty for the remainder of the original warranty period. The original warranty period shall not be extended. Notwithstanding the provisions contained in the preceding sentences of this paragraph, Buyer shall be deemed to have accepted the goods and absolutely and unconditionally waived their rights to claim for any defects: if the goods are otherwise used or altered in any way.
- v. Warranty services will be provided by the Client who contracted with Brombal. It is the responsibility of the Client to facilitate ordering the replacement parts and provide assistance in the field to make the necessary repairs.
- vi. Attached are the Maintenance Requirements.

We make no other express or implied representation or warranty of any kind regarding the product.

In particular we assume no responsibility for improper usage, failure of the product due to faulty installation or building construction or design, improper handling or failure to follow instructions regarding the product or not protecting the product prior to or during installation/construction.

2. MAINTENANCE REQUIREMENTS

a. INSTALLATION AND HANDLING

Upon receiving the frames, compliance with the points listed below are essential during handling of the frames (transportation from the crate to its placement location, temporary protection while handling the frames for installation) responsibility prior to the installation, up to the final inspection and acceptance.

These requirements may be summed up as follows:

- avoid leaving the frames crated/packaged for a long time in a closed and damp environment;
 - avoid all direct contact of the material with seawater or with materials or any type of acidic solution that could generate a galvanic reaction;
 - avoid all direct contact with mortar or plaster/gypsum: if these materials contact the surface of the frame the affected surface must be washed immediately with water to remove these contaminants;
 - avoid application of any adhesive material that could cause damage (labels, temporary protection, tape, etc) on the pre-treated surfaces;
 - avoid all direct contact of pre-treated surfaces with other materials (wooden- boards, cement, etc);
 - all packaging material must be removed from the surface of the frames if they are left in the sun;
 - frames must be protected from dust and debris once they are removed from the crates, during construction, through completion of the project.
- From the goods off-loading until the final inspection and acceptance, the goods are the responsibility of Brombal' s Client.

b. MAINTENANCE OF FRAME SURFACES

The considerable resistance of Cor-Ten Steel to environmental corrosive agents means that the frames have a practically unlimited life and require little maintenance: all that is needed is periodic cleaning with a soft cloth soaked in water and the application of a layer of natural beeswax (contact a Brombal representative) for Cor-Ten Steel. Under no circumstances use acid solutions, which could ruin the surface of the section. The use of common detergents may also result in the removal of the protective patina which can result in oxidation. Never use detergents or steel wool for cleaning; in any case it is inadvisable to leave too much liquid on the surface of the section since it could promote further oxidation to the detriment of the protective action.

c. FREQUENCY OF CLEANING

Atmospheric grime makes it necessary to clean the surface as needed to maintain a desired appearance.

For Cor-Ten frames located in relatively clean rural locations, it is recommended that beeswax be applied once per year. If the location is within 3 miles from the coastline or the location is badly polluted (for example it is close to industrial areas), cleaning and beeswax coating should be carried out 4 times per year (once every 3 months).

Provided the required cleaning frequency is maintained, it should never be necessary to use strong or harsh cleaners which are more aggressive than non-alkaline detergents. Stronger cleaners could damage the finish, the metal, the glazing and sealing systems and even the glass; therefore, such practices should be avoided. Contact a Brombal representative before applying any cleaners stronger than non-alkaline detergent.

COR-TEN STEEL FEATURES

3. SEALANTS

Silicone Sealants generally have a life expectancy in excess of 25 years provided they are applied in accordance with sealant manufacturer's instructions. They are maintenance free and should not be painted. An inspection of visible sealant joints should be made after two years and thereafter every five years. Should a seal deteriorate or suffer a lack of adhesion, it should be cut out and replaced with fresh application.

4. MAINTENANCE OF FITTINGS

Internal mechanisms should be cleaned with a solution of non-alkaline detergent and warm water. This can be conveniently done at the same time and frequency as the cleaning of the frames and glass. To maintain operating efficiency, a year after installation and thereafter annually, lubricate all moving parts of hinges, locking mechanisms, restricting arms and safety catches with WD40 or similar lubricant, unless there is an obvious requirement for friction when adjustment, as required, should be made in lieu of lubrication. Also check fitting attachment screws for tightness and adjust as necessary.

Weather-strips should be periodically inspected for integrity and replaced as necessary; they should never be painted.

5. REPAIRS TO SURFACE

Brass, Stainless Steel and Cor-Ten are natural materials with peculiar finishes; minor scratches or slight damage to touch up is very difficult. Please contact us to see if touch up is possible on these products. Stainless Steel is a natural material and touch up is not possible.

6. REPLACEMENTS

For replacements of damaged or broken fittings and weather-strips, write to the address below:
Brombal srl - Via Vallà, 24 - 31030 Altivole (TV) Italy - info@brombal.it

FOR ALL MATERIALS: STEEL WOOL, STRONG ACIDS & ALKALIS AND ABRASIVE CLEANERS SHOULD NEVER BE USED

STAINLESS STEEL FEATURES

1. STAINLESS STEEL LIMITED PRODUCT WARRANTY

Brombal warrants that the Stainless Steel windows and related trim will be free from manufacturing defects.

a. Finish

- i. Raw material
 - Scotch Brite, Polished, and Mirror (if required) are not warranted because they are raw exposed finishes.
- ii. Paint coating finish
 - Is warranted to be free from defects in materials and workmanship under normal conditions of use, ordinary wear and tear excepted, for a period of fifteen (15) years from the date of substantial completion (shipping date from the factory). If during the warranty period Brombal determines, in its sole discretion, that any material or individual system/frame requires excessive maintenance or repair, such material or individual system/frame shall be repaired by Brombal at no cost to Buyer. If replacement of frames is necessary, installation or labor for the replacement of frames is not included as well as any other related cost.
 - The coating color may slightly change shades of color in the long period due to weather conditions such as direct exposure to sunshine or continuous water dripping. The warranty will not cover these slight color variations.
- iii. Burnished stainless steel finish
 - Burnished stainless steel is applied by a chemical process altering the surface composition of the metal. Color retention and consistency will vary because it is an unprotected artisan application and depending upon the environment, changes to the patina will occur. This is outside of Brombal's control and no warranty is offered.

b. FRAMES (EXCLUDING THE FINISH):

Frames are warranted to be free from defects in materials and workmanship under normal conditions of use, ordinary wear and tear excepted, for a period of fifteen (15) years from the date of substantial completion (shipping date from the factory). If during the warranty period Brombal determines, in its sole discretion, that any material or system requires excessive maintenance or repair, such material or system shall be replaced or repaired by Brombal at no cost to Buyer. If replacement of frames is necessary, installation or labor for the repair is not included as well as any other cost. This limited express warranty does not extend to accessories, glass, and hardware.

c. HARDWARE:

Hardware and any mechanical accessories provided by Brombal are warranted to be free from defects in materials and workmanship under normal conditions of use, ordinary wear and tear excepted, for two (2) years from date of delivery excluding shipping or mishandling damage caused by others, improper use, incorrect installation or circumstances beyond Brombal's control. If during the warranty period Brombal determines, in its sole discretion, that any hardware requires excessive maintenance or repair, such hardware shall be replaced by Brombal at no cost to Buyer. Installation or labor for the repair is not included as well as any other related costs.

d. EXCLUSION OF WARRANTY:

This limited express warranty is fully conditional upon Buyer strictly adhering to the maintenance requirements attached here to (the "maintenance requirements").

Failure to comply with such maintenance requirements will result in all warranties being null and void. Brombal reserves the right to determine, in its sole discretion, whether or not Buyer has adhered to the maintenance requirements and may, but shall not be required to, have a technician inspect the products in connection with such determination. Brombal's determination shall be final and binding.

e. MISCELLANEOUS:

- i. Brombal can provide performance evaluations on standard product sizes/types. It is the responsibility of the Client to communicate any product performance requirements which are in excess to Brombal's standard performance. Brombal will determine if they can warranty non-standard size/type units. If Brombal cannot provide or meet the requested performance then a note on the shop drawings will indicate the unit in question is not warrantied.

STAINLESS STEEL FEATURES

- ii. This limited warranty does not extend to any defects, failures, losses or damages due to misuse or improper use or operation, including but not limited to any operation beyond rated capacity, use of the goods not in compliance with service manuals and instructions, labels or warnings, or due to or use of the goods by untrained or unqualified persons; substitution of parts or other alteration or modification carried out without Brombal's prior written consent; repairs carried out by Buyer or third parties which in Brombal's judgment adversely affect the goods; erosion; corrosion; accident; abuse; neglect; normal wear and tear; negligence (other than Brombal's); or faulty or improper installation, or lack of maintaining the product. This limited warranty also does not apply to defects or issues arising from material or product provided or modified by the Buyer. To the extent that Buyer or its agents have supplied specifications, information, representation of operating conditions or other data to Brombal or its distributor in the selection or design of the goods and the preparation of the quotation, and in the event that actual operating conditions or other conditions differ from those represented by Buyer, any warranties or other provisions contained herein which are affected by such conditions shall be null and void.
- iii. Any claim by Buyer for breach of the manufacturer's limited warranty must be made in writing and sent to Brombal within the warranty periods specified above. The writing shall contain sufficient detail to permit identification of the defect. If not made within said warranty periods, such claim shall be conclusively deemed to have been waived.
- iv. Upon receiving Buyer's notice of defect, Brombal shall, at its option, repair or replace the goods (or parts thereof). Buyer shall be responsible for the cost of travel for any Brombal personnel required at the Buyer's premises. The cost of service for any work not covered under this limited warranty shall be as agreed in writing by Buyer and Brombal. Failure by Buyer to give such written notice of defect within the applicable time period shall be deemed an absolute and unconditional waiver of Buyer's claim for such defects.
Goods repaired or replaced during the warranty period shall be covered only by the foregoing warranty for the remainder of the original warranty period. The original warranty period shall not be extended. Notwithstanding the provisions contained in the preceding sentences of this paragraph, Buyer shall be deemed to have accepted the goods and absolutely and unconditionally waived their rights to claim for any defects: if the goods are otherwise used or altered in any way.
- v. Warranty services will be provided by the Client who contracted with Brombal. It is the responsibility of the Client to facilitate ordering the replacement parts and provide assistance in the field to make the necessary repairs.
- vi. Attached are the Maintenance Requirements.

We make no other express or implied representation or warranty of any kind regarding the product.

In particular we assume no responsibility for improper usage, failure of the product due to faulty installation or building construction or design, improper handling or failure to follow instructions regarding the product or not protecting the product prior to or during installation/construction.

2. MAINTENANCE REQUIREMENTS

a. INSTALLATION AND HANDLING

Upon receiving the frames, compliance with the points listed below are essential during handling of the frames (transportation from the crate to its placement location, temporary protection while handling the frames for installation) responsibility prior to the installation, up to the final inspection and acceptance.

These requirements may be summed up as follows:

- avoid leaving the frames crated/packaged for a long time in a closed and damp environment;
 - avoid all direct contact of the material with seawater or with materials or any type of acidic solution that could generate a galvanic reaction;
 - avoid all direct contact with mortar or plaster/gypsum: if these materials contact the surface of the frame the affected surface must be washed immediately with water to remove these contaminants;
 - avoid application of any adhesive material that could cause damage (labels, temporary protection, tape, etc) on the pre-treated surfaces;
 - avoid all direct contact of pre-treated surfaces with other materials (wooden- boards, cement, etc);
 - all packaging material must be removed from the surface of the frames if they are left in the sun;
 - frames must be protected from dust and debris once they are removed from the crates, during construction, through completion of the project.
- From the goods off-loading until the final inspection and acceptance, the goods are the responsibility of Brombal' s Client.

STAINLESS STEEL FEATURES

b. MAINTENANCE OF FRAME SURFACES

Thanks to the high resistance of the alloy Stainless Steel to the environmental corrosive agents, Stainless Steel windows and doors are require very little maintenance unless near the coast. To clean the profile, use the stainless steel cleaning kit provided by Brombal (additional kits can be purchase by contacting your Brombal representative). The kits consist of a three-part cleaning process using prepackaged cleaning pads. The first pad (Tecnodisox) used to remove dirt and surface contaminants, the second pad (Tecnoneutral) rinses the frame, the third pad (Tecnopass) reapplies the passivation. We recommend avoiding any other solutions (detergents or steel wool), which might ruin the surface of the profile.

c. FREQUENCY OF CLEANING

Regardless of the material the frames are built in, the accumulation of atmospheric grime makes it necessary to clean the surface regularly to maintain its appearance.

For Stainless Steel AISI 316L frames, which are located in relatively clean rural locations, it is required that cleaning be carried out at least twice per year (once every 6 months) or more frequently depending upon the possibility of contaminants which would cause damage to the finish and frames.

For Stainless Steel AISI 316L frames located within 3 miles from the coastline or if the location is badly polluted (for example it is close to industrial areas), cleaning should occur as often as needed (but no less than 6 times per year) to prevent salt deposit or any corrosive build-up that could damage frames/finish or hardware. Each environment is different, so frequency will vary.

Contact a Brombal representative before applying any cleaners stronger than non-alkaline detergent.

3. SEALANTS

Silicone Sealants generally have a life expectancy in excess of 25 years provided they are applied in accordance with sealant manufacturer's instructions. They are maintenance free and should not be painted. An inspection of visible sealant joints should be made after two years and thereafter every five years. Should a seal deteriorate or suffer a lack of adhesion, it should be cut out and replaced with fresh application.

4. MAINTENANCE OF FITTINGS

Internal mechanisms should be cleaned with a solution of non-alkaline detergent and warm water. This can be conveniently done at the same time and frequency as the cleaning of the frames and glass. To maintain operating efficiency, a year after installation and thereafter annually, lubricate all moving parts of hinges, locking mechanisms, restricting arms and safety catches with WD40 or similar lubricant, unless there is an obvious requirement for friction when adjustment, as required, should be made in lieu of lubrication. Also check fitting attachment screws for tightness and adjust as necessary.

Weather-strips should be periodically inspected for integrity and replaced as necessary; they should never be painted.

5. REPAIRS TO SURFACE

Brass, Stainless Steel and Cor-Ten are natural materials with peculiar finishes; minor scratches or slight damage to touch up is very difficult. Please contact us to see if touch up is possible on these products. Stainless Steel is a natural material and touch up is not possible.

6. REPLACEMENTS

For replacements of damaged or broken fittings and weather-strips, write to the address below:

Brombal srl - Via Vallà, 24 - 31030 Altivole (TV) Italy - info@brombal.it

FOR ALL MATERIALS: STEEL WOOL, STRONG ACIDS & ALKALIS AND ABRASIVE CLEANERS SHOULD NEVER BE USED

BRASS FEATURES

1. BURNISHED BRASS LIMITED PRODUCT WARRANTY

Brombal warrants that the Brass windows and related trim will be free from manufacturing defects, as more specifically set forth below.

a. FINISH

Brombal provides no warranty for the finish of its Burnished Brass frames. Because of the natural characteristics of brass, it will naturally oxidize to a dark brown color with exposure to the environment and may have a variation in the patina that can change over time or be inconsistent from one frame section to the other. Custom finishes may react differently to various environments and the patina can change. A light application of beeswax may be applied to help slow the oxidation process if desired.

The chemical phenomenon known as "dezincification" (copper deposit and loss of zinc) may occur in the presence of sodium chloride (marine areas) and create a Verderame patina (green color).

b. FRAMES (EXCLUDING THE FINISH):

Frames are warranted to be free from defects in materials and workmanship under normal conditions of use, ordinary wear and tear excepted, for a period of fifteen (15) years from the date of substantial completion (shipping date from the factory). If during the warranty period Brombal determines, in its sole discretion, that any material or system requires excessive maintenance or repair, such material or system shall be replaced or repaired by Brombal at no cost to Buyer. If replacement of frames is necessary, installation or labor for the repair is not included as well as any other cost. This limited express warranty does not extend to accessories, glass, and hardware.

c. HARDWARE:

Hardware and any mechanical accessories provided by Brombal are warranted to be free from defects in materials and workmanship under normal conditions of use, ordinary wear and tear excepted, for two (2) years from date of delivery excluding shipping or mishandling damage caused by others, improper use, incorrect installation or circumstances beyond Brombal's control. If during the warranty period Brombal determines, in its sole discretion, that any hardware requires excessive maintenance or repair, such hardware shall be replaced by Brombal at no cost to Buyer. Installation or labor for the repair is not included as well as any other related costs.

d. EXCLUSION OF WARRANTY:

This limited express warranty is fully conditional upon Buyer strictly adhering to the maintenance requirements attached hereto (the "maintenance requirements").

Failure to comply with such maintenance requirements will result in all warranties being null and void. Brombal reserves the right to determine, in its sole discretion, whether or not Buyer has adhered to the maintenance requirements and may, but shall not be required to, have a technician inspect the products in connection with such determination. Brombal's determination shall be final and binding.

e. MISCELLANEOUS:

- i. Brombal can provide performance evaluations on standard product sizes/types. It is the responsibility of the Client to communicate any product performance requirements which are in excess to Brombal's standard performance. Brombal will determine if they can warranty non-standard size/type units. If Brombal cannot provide or meet the requested performance then a note on the shop drawings will indicate the unit in question is not warrantied.
- ii. This limited warranty does not extend to any defects, failures, losses or damages due to misuse or improper use or operation, including but not limited to any operation beyond rated capacity, use of the goods not in compliance with service manuals and instructions, labels or warnings, or due to or use of the goods by untrained or unqualified persons; substitution of parts or other alteration or modification carried out without Brombal's prior written consent; repairs carried out by Buyer or third parties which in Brombal's judgment adversely affect the goods; erosion; corrosion; accident; abuse; neglect; normal wear and tear; negligence (other than Brombal's); or faulty or improper installation, or lack of maintaining the product. This limited warranty also does not apply to defects or issues arising from material or product provided or modified by the Buyer. To the extent that Buyer or its agents have supplied specifications, information, representation of operating conditions or other data to Brombal or its distributor in the selection or design of the goods and the preparation of the quotation, and in the event that actual operating conditions or other conditions differ from those represented by Buyer, any warranties or other provisions contained herein which are affected by such conditions shall be null and void.

BRASS FEATURES

- iii. Any claim by Buyer for breach of the manufacturer's limited warranty must be made in writing and sent to Brombal within the warranty periods specified above. The writing shall contain sufficient detail to permit identification of the defect. If not made within said warranty periods, such claim shall be conclusively deemed to have been waived.
- iv. Upon receiving Buyer's notice of defect, Brombal shall, at its option, repair or replace the goods (or parts thereof). Buyer shall also be responsible for the cost of travel for any Brombal personnel required at the Buyer's premises. The cost of service for any work not covered under this limited warranty shall be as agreed in writing by Buyer and Brombal. Failure by Buyer to give such written notice of defect within the applicable time period shall be deemed an absolute and unconditional waiver of Buyer's claim for such defects. Goods repaired or replaced during the warranty period shall be covered only by the foregoing warranty for the remainder of the original warranty period. The original warranty period shall not be extended. Notwithstanding the provisions contained in the preceding sentences of this paragraph, Buyer shall be deemed to have accepted the goods and absolutely and unconditionally waived their rights to claim for any defects: if the goods are otherwise used or altered in any way.
- v. Warranty services will be provided by the Client who contracted with Brombal. It is the responsibility of the Client to facilitate ordering the replacement parts and provide assistance in the field to make the necessary repairs.
- vi. Attached are the Maintenance Requirements.

We make no other express or implied representation or warranty of any kind regarding the product.

In particular we assume no responsibility for improper usage, failure of the product due to faulty installation or building construction or design, improper handling or failure to follow instructions regarding the product or not protecting the product prior to or during installation/construction.

2. MAINTENANCE REQUIREMENTS

a. INSTALLATION AND HANDLING

Upon receiving the frames, compliance with the points listed below are essential during handling of the frames (transportation from the crate to its placement location, temporary protection while handling the frames for installation) responsibility prior to the installation, up to the final inspection and acceptance. These requirements may be summed up as follows:

- avoid leaving the frames crated/packaged for a long time in a closed and damp environment;
- avoid all direct contact of the material with seawater or with materials or any type of acidic solution that could generate a galvanic reaction;
- avoid all direct contact with mortar or plaster/gypsum: if these materials contact the surface of the frame the affected surface must be washed immediately with water to remove these contaminants;
- avoid application of any adhesive material that could cause damage (labels, temporary protection, tape, etc) on the pre-treated surfaces;
- avoid all direct contact of pre-treated surfaces with other materials (wooden- boards, cement, etc);
- all packaging material must be removed from the surface of the frames if they are left in the sun;
- frames must be protected from dust and debris once they are removed from the crates, during construction, through completion of the project.
- When handling the frames, gloves should be used so that oil from your fingers does not leave marks on the surface.

From the goods off-loading until the final inspection and acceptance, the goods are the responsibility of Brombal' s Client.

b. MAINTENANCE OF FRAME SURFACES

Thanks to the high resistance of the alloy OT67 in all environments, burnished brass windows and doors require very little maintenance.

In any case, never use detergents or steel wool for cleaning, only mild liquids: it is inadvisable to leave too much liquid on the surface of the section since it could promote further oxidation. The cleaning should be carried out with a cotton towel using a mild solution of water and mild detergent (pH between 5 and 8) followed by a thorough rinsing with clean water and drying. Some solvents, alkaline or acid, can degrade the coatings. Before using any type of chemical make sure it is suitable for the finishing in question. We recommend avoiding the use of any acidic solutions, which might ruin the surface/patina of the profile. Also, the use of common detergents may remove the patina. An application of factory-approved oil and beeswax may be applied to the surface if desired.

BRASS FEATURES

c. FREQUENCY OF CLEANING

Regardless of the material the frames are built in, the accumulation of atmospheric grime makes it necessary to clean the surface regularly to maintain its appearance. For brass frames located in relatively clean rural locations, it is suggested that cleaning be carried out once per year. If the location is within 3 miles from the coastline or the location is badly polluted (for example it is close to industrial areas), cleaning should be carried out as often as the Client desires considering the effect the environment has on the oxidation/patina. We recommend cleaning once every 3 months.

Provided the required frequency is maintained, it should never be necessary to use strong or harsh cleaners which are more aggressive than non-alkaline detergents. If stronger cleaners are applied be sure to remove any residue and rinse with clear water, then wipe dry immediately. If cleaning is carried out less frequently than required, the surface cannot be restored with the occasional use of more aggressive cleaners. Such cleaners could damage the finish, the metal, the glazing and sealing systems and even the glass: therefore, such practices should be avoided. Contact a Brombal representative before applying any cleaners stronger than non-alkaline detergent.

3. SEALANTS

Silicone Sealants generally have a life expectancy in excess of 25 years provided they are applied in accordance with sealant manufacturer's instructions. They are maintenance free and should not be painted. An inspection of visible sealant joints should be made after two years and thereafter every five years. Should a seal deteriorate or suffer a lack of adhesion, it should be cut out and replaced with fresh application.

4. MAINTENANCE OF FITTINGS

Internal mechanisms should be cleaned with a solution of non-alkaline detergent and warm water. This can be conveniently done at the same time and frequency as the cleaning of the frames and glass. To maintain operating efficiency, a year after installation and thereafter annually, lubricate all moving parts of hinges, locking mechanisms, restricting arms and safety catches with WD40 or similar lubricant, unless there is an obvious requirement for friction when adjustment, as required, should be made in lieu of lubrication. Also check fitting attachment screws for tightness and adjust as necessary.

Weather-strips should be periodically inspected for integrity and replaced as necessary; they should never be painted.

5. REPAIRS TO SURFACE

Brass, Stainless Steel and Cor-Ten are natural materials with peculiar finishes; minor scratches or slight damage to touch up is very difficult. Please contact us to see if touch up is possible on these products. Stainless Steel is a natural material and touch up is not possible.

6. REPLACEMENTS

For replacements of damaged or broken fittings and weather-strips, write to the address below:

Brombal srl - Via Vallà, 24 - 31030 Altivole (TV) Italy - info@brombal.it

FOR ALL MATERIALS: STEEL WOOL, STRONG ACIDS & ALKALIS AND ABRASIVE CLEANERS SHOULD NEVER BE USED