THE WHOLESALE GLASS CO.
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Glass partitioning joints

The G2G – glass partitioning joints offer an alternative to silicone, to achieve a clear slimline joint between glass panels.

1. Field of application

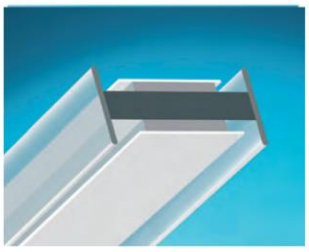
- Internal glass partitioning systems.
- 10 mm and 12 mm standard glass.
- 10.8 mm and 12.8 mm laminated glass.
- Shower cubicle systems.

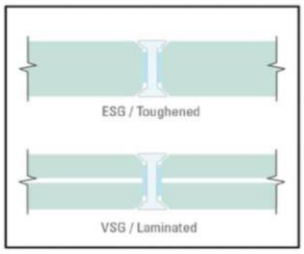
2. System features

- Clear vision.
- Slimline design.
- UV stability.
- Excellent adhesion between glass and profile.
- Tolerance accommodation.
- Supplied with easily removable dust shield over tape.
- Unique design to accommodate standard and laminated glass.
- Supplied in 3m lengths as standard.

3. Product range

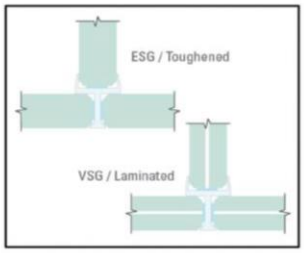
Partition Joint 180°





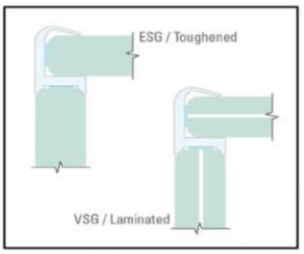
Art. No.	Glass thickness
	Toughened/Laminated 8/8.8 mm
BO 5201720	Toughened/Laminated 10/10.8 mm
BO 5201726	Toughened/Laminated 12/12.8 mm

Partition Joint 3 way



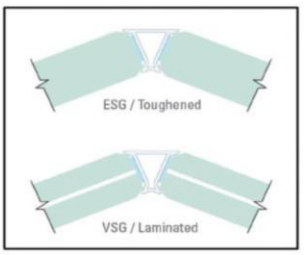
Art. No.	Glass thickness
BO 5201721	Toughened/Laminated 10/10.8 mm
BO 5201727	Toughened/Laminated 12/12.8 mm

Partition Joint 90° Corner protection



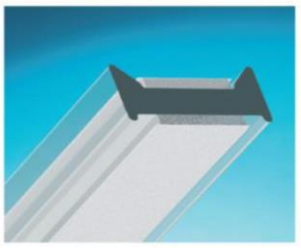
Art. No.	Glass thickness
BO 5201723	Toughened/Laminated 10/10.8 mm
BO 5201729	Toughened/Laminated 12/12.8 mm

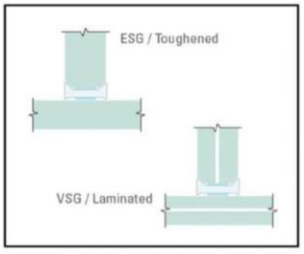
Partition Joint 135° Connector



Art. No.	Glass thickness
BO 5201722	Toughened/Laminated 10/10.8 mm
BO 5201728	Toughened/Laminated 12/12.8 mm

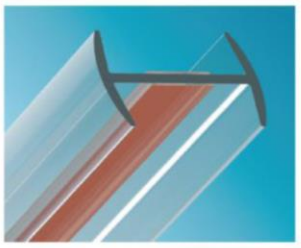
Partition Joint Abutment

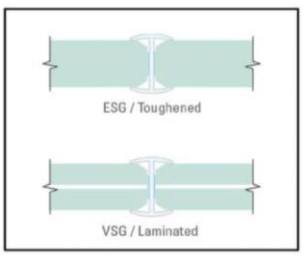




Art. No.	Glass thickness
BO 5201724	Toughened/Laminated 10/10.8 mm
BO 5201730	Toughened/Laminated 12/12.8 mm

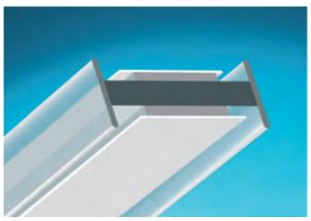
Partition Joint Slimline ‚H' section

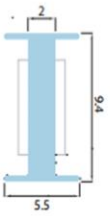


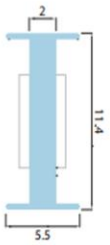


Art. No.	Glass thickness
BO 5201725	Toughened/Laminated 10/10.8 mm
BO 5201731	Toughened/Laminated 12/12.8 mm

FLEXIBLE ‘I’ JOINT

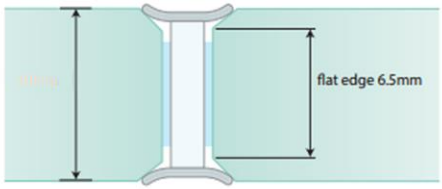




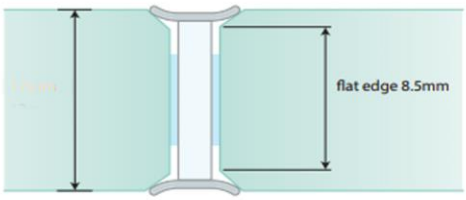


Art. No.	Glass thickness
BO 5201720	Toughened/Laminated 10/10.8 mm
BO 5201726	Toughened/Laminated 12/12.8 mm

10/10.8mm



12/12.8mm



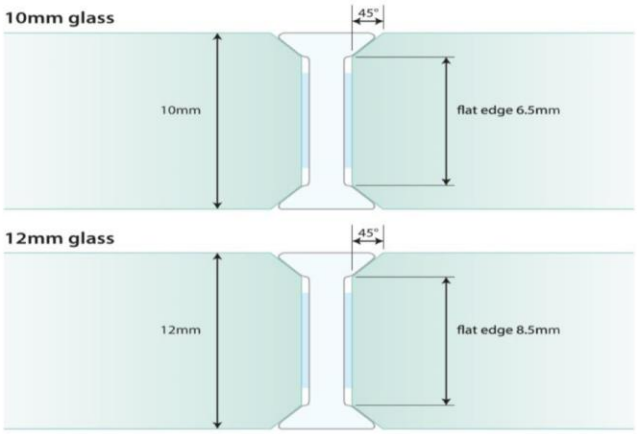
4. Glass bevel

To ensure maximum performance the glass should be cut with a flat polished edge and a bevel of 45 degrees, as illustrated in the diagrams below.

5. Standard glass

For standard glass panels of 10 and 12 mm the polished flat edge of the glass should be cut to a maximum width of 6.5 mm for 10 mm glass, and 8.5 mm for 12 mm glass.

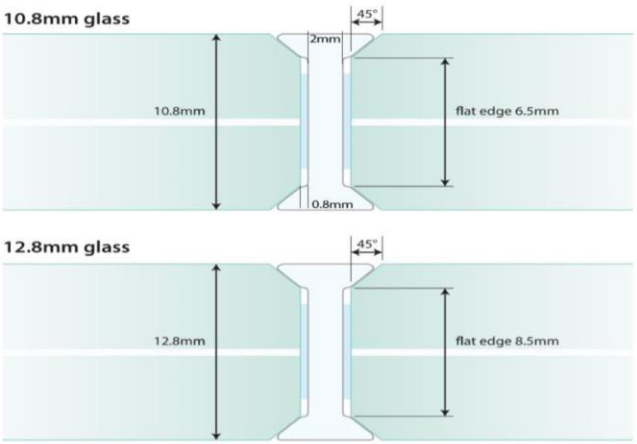
N.B. It is recommended to ask your glass supplier to grind 0.5 mm smaller on the flat edge than is stated for fit and function purposes. It is ok to have a smaller flat edge than indicated above; ***a larger flat edge than stated can cause the joint NOT to bond.***



6. Laminated glass

For laminated glass panels of 10.8 and 12.8 mm the polished flat edge of the glass should be cut to a maximum width of 6.5 mm for 10.8 mm glass, and 8.5 mm for 12.8 mm glass.

N.B. It is recommended to ask your glass supplier to grind 0.5 mm smaller on the flat edge than is stated for fit and function purposes. It is ok to have a smaller flat edge than indicated above; ***a larger flat edge than stated can cause the joint NOT to bond.***



7. Installation points

The following guidance should be taken into consideration when installing G2G:

- To ensure the best bond between the G2G profile and the glass a recommended application temperature between 18-35 degrees centigrade is advisable.
- It is recommended that were possible the joints and glass are equalised to room temperature 24 hours prior to fitting.
- A quality polished edge works best for maximum bond strength. When fitting the joints on site it is important that these polished edges are clean, dust and grease free. We recommend cleaning them with BO 51 079 11 Bohle Special Glass Cleaner for UV bonding.
- It is essential that every panel is shimmed and plumbed (particular the first panel) vertically/horizontally and centralised in the base and head channels.
- It is recommended that prior to fitting the joint each following glass panel is placed side by side to check for bow and swapped for a flush panel if there are any showing this affect.
- It is recommended that ratchet strap/suckers are used when fitting panels to achieve the best contact pressure.
- The G2G tape has excellent initial tack and contact bond in most conditions and strengthens to its maximum bond strength 12 hours after fitting.
- The compressive qualities of the G2G tape takes up tolerances variation in the glass; this can be maximized through ensuring the glass has been cut accurately on well maintained machinery. *You will find glass processing machinery in our catalogue Glass Processing Machinery.*

Please note these are for guidance only, Bohle takes no responsibility for the overall installation of a partitioning system.

8. Technical data

90° roll peel strength test on glass in accordance with DIN EN 1464 after 24 hours storage at +23 °C +/- 2 °C	50 N/25 mm
Light transmission	> 80 % in the visible light scope

9. Handling and storage

The G2G system should be stored at room temperature and normal humidity (50-70%). The G2G system can withstand a temperature range of between -40°C to +150°C, however during installation it is recommended that both the glass and the G2G profile is brought to within a temperature range of 18°C-35°C, 24 hours prior to fitting.

10. Quality and approval

The Quality management System of G2G System meets the requirements of ISO 9001: 2008, the quality management system is independently verified by BSI Quality Assurance under Certificate No. FM10371.

11. Technical support and guidance

Should you require any further information regarding this product please contact Bohle www.bohle-group.com

12. Other information

The information contained in this document is based upon our present state of knowledge. Recipients must take responsibility for observing existing regulations. Due to our policy of continual improvement we reserve the right to amend specifications without prior knowledge.