

Product Code

FBC10 Balustrade Channel

Product Type

Frameless Balustrade
Channel

Sizes and Finishes

- Available in 3 metre or 6 metre lengths
- Mill Finish or Silver Pearl
- Can be cut to size and powdercoated to colour of your choice

Technical Considerations

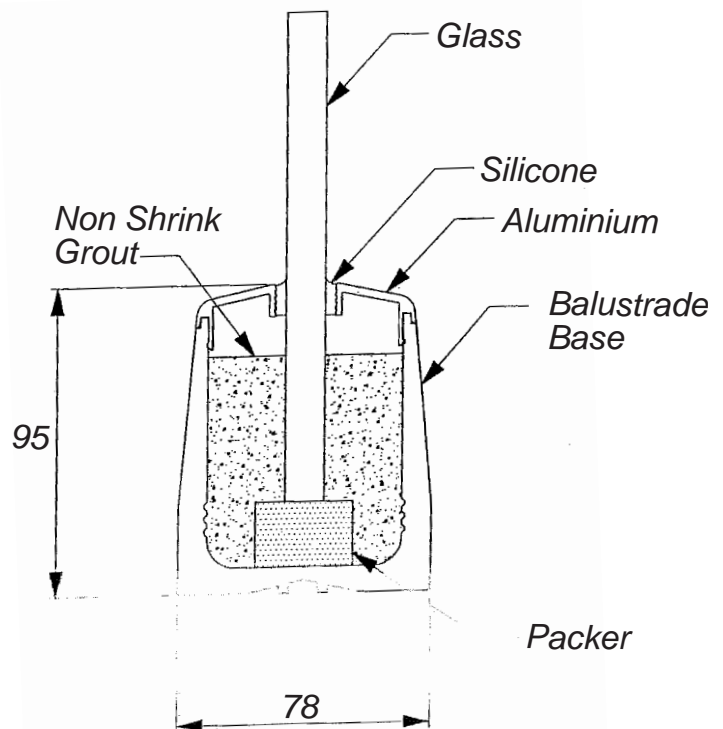
- It is recommended that a level firm surface be provided for fixing of the channel.
- Do not fix channel to compressable deck surfaces.
- It is recommended that a suitably qualified engineer is consulted to check on all installations.
- Waterproofing and structural timber deck design are not part of this scope.
- Fixing to concrete - Chemset/Dynabolt, M10 x 100mm Stainless Steel.

IMPORTANT

Due to the lime content of all cementitious non shrink grout, please note the following:

- 1) The FBC10 Balustrade Channel should not be used in either anodized or mill finish, and
- 2) Powder coating of channel must include both the inside and outside of the product.

Grout must be carefully mixed in accordance with the manufacturers instructions as given on the bag. Wrongly mixed grout will increase the likelihood of corrosion of the channel.



Summary of FBC10 Balustrade Channel Test Results

Pool Fences

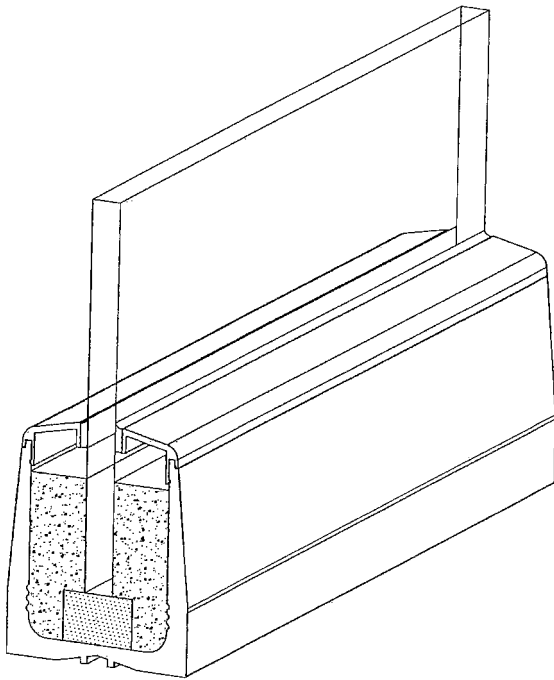
- System can be used in applications where the wind load is no greater than .58 KPa
- This is based on a total system height of 1200mm including the channel (glass extends 1105mm from the top of the channel).

Note 1:

Panels must be greater than 1000mm wide.

Note 2:

The system cannot be used in applications where the area can be defined as one where people can congregate.



Balustrades

Residential (excluding balconies)

- 10mm Toughened can be used to a maximum height of 620mm in applications, where the Wind Load does not exceed 1.8 KPa.
- 12mm Toughened can be used to a maximum height of 840mm in applications where the Wind Load does not exceed 1.37 KPa.
- In applications requiring 1000mm high balustrade, 15mm Toughened is to be used, but only to a maximum wind load of 1.12 KPa Wind Load.

Residential (including balconies)

- 10mm Toughened can be used to a maximum height of 550mm in applications where the Wind Load does not exceed 2.5 KPa.
- 12mm Toughened can be used to a maximum height of 740mm in applications where the Wind Load does not exceed 1.9 KPa.
- In applications requiring 1000mm high balustrade, 15mm Toughened is to be used, but only to a maximum wind load of 1.37 KPa Wind Load.

Note 1:

The system is not recommended for use in any balustrade installations where fall on the other side is greater than 1 metre.

Note 2:

The above results have been generated by ARUP Facade Engineering. Physical testing has also been conducted by Compusoft Engineering in New Zealand. The results of both these are being collated in conjunction with the proposed changes listed in the latest draft of revisions for AS1288.