



INSULCOOL™
DOUBLE GLAZING

Technical specification for glazing

The size, number and location of setting / location blocks and distance pieces shall be in accordance with AS/NZS 4666:2000.

Structural Glazing

Structural sealant used as a secondary seal in DGU must be specified for structural glazing when placing the order. Dow Corning® 982 two-part silicone sealant is used as a secondary seal in InsulCool DGUs for structural glazing applications. The uses of the following one-part silicone sealants are recommended for weathersealing DGU glass butt joints and structural glazing. Any other types of sealants must be checked for compatibility with the components of DGUs and approved by an authorised representative of Cooling Brothers (see note 3 below on "Compatibility test").

Weather Sealants¹: Dow Corning 991 Silicone High Performance Sealant
Dow Corning 995 Silicone Structural Glazing Sealant

Structural Glazing¹: Dow Corning 995 Silicone Structural Glazing Sealant

The structural joint shall be designed in relation to the required movement absorption and sealant properties as per recommendations of the sealant manufacturer. Closed-cell PE beads are recommended to be used as backing material (backer rod), as used for window / wall joints.

Effective November 1st, 2013

Cooling Brothers Glass Company Pty Ltd

961 Abernethy Road, High Wycombe, Perth, 6057

tel. +61 8 6104 1777 fax. +61 8 6104 1744 www.coolingbros.com.au ABN 12 059 933 809



Brothers
GLASS C

Technical specification for glazing continued

Edge Deflection of DGU

The edge deflection of the unit shall meet the requirements of AS 2047 as summarised below:

- (a) Housing – no greater than span/150
- (b) Residential Building - no greater than span/180
- (c) Commercial Building - no greater than span/250

Recommended Glazing Details – Refer to page 3

Notes:

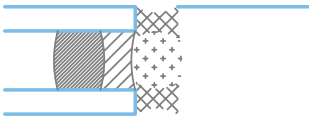
1. Considerable research has been devoted to finding sealants which are compatible with InsulCool DGU's. The process has involved extensive testing to ensure the sealants do not compromise the integrity or aesthetics of the DGU. This process has identified a sealant which is locally available.
2. Cooling Brothers will not be responsible for any loss or damage of any kind that may arise as a result of a failure to comply with these specifications.
3. Compatibility Test: two cartridges of the proposed sealant must be submitted for testing. The test results will be available in 20 weeks from the date of submission.
4. Incompatible sealants and glazing blocks will void the warranty.

Effective November 1st, 2013

Cooling Brothers Glass Company Pty Ltd

961 Abernethy Road, High Wycombe, Perth, 6057

tel. +61 8 6104 1777 fax. +61 8 6104 1744 www.coolingbros.com.au ABN 12 059 933 809



Warranty effective November 1st, 2013

Cooling Brothers Glass Company Pty Ltd

961 Abernethy Road, High Wycombe, Perth, 6057

tel. +61 8 6104 1777 fax. +61 8 6104 1744 www.coolingbros.com.au ABN 12 059 933 809