

Insulated Glass Units

Technical Specification for Glazing

Please take the time to read this document in full as it contains imperative information on the correct glazing specifications for K&K Glass Insulating Glass. Failure to comply with these specifications will void the K&K Glass warranty and severely limit any liability K&K Glass may have for the product.

All K&K Glass Insulating Glass Units shall be installed in accordance with the glazing requirements of AS/NZS 4666:2000 unless otherwise specified.

Depth of Rebate

Minimum depth of rebate should be 20mm.

Minimum Glazing Dimensions

For conventional framing system:

- a) Edge Clearance – not less than 6mm;
- b) Face Clearance – not less than 5mm;
- c) Edge Cover – not less than 14mm.

Glazing Blocks

Glazing blocks made of Polyethylene “PE” or Polypropylene “PP” is recommended. Blocks made of polyamide (reinforced with fiber glass) may also be used. Aromatic synthetic material is to be avoided, e.g. polystyrene “PS”, acryle butadienstyrole copolymer “ABS” or any other polyblends or copolymers. The use of blocks made of PVC must also be avoided due to the risk of plasticizer migration. No plasticiser containing layers (no rubber, EPDM based glazing blocks or layer) may be used on glazing blocks.

The minimum width of each setting block shall be not less than 3mm greater than the unit and setting blocks shall be located to equally support all panes of glass and shall be fixed to prevent displacement during installation and service.

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 IGU must be specified for structural glazing when placing the order.

Edge Deflection

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
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- Recommended Glazing Details detailed below PAGE BELOW

Notes:

1. Considerable research has been devoted to finding sealants which are compatible with K&K Glass IGU's. The process has involved extensive testing to ensure the sealants do not compromise the integrity or aesthetics of the IGU. This process has identified a sealant which is locally available.
2. K&K Glass 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.

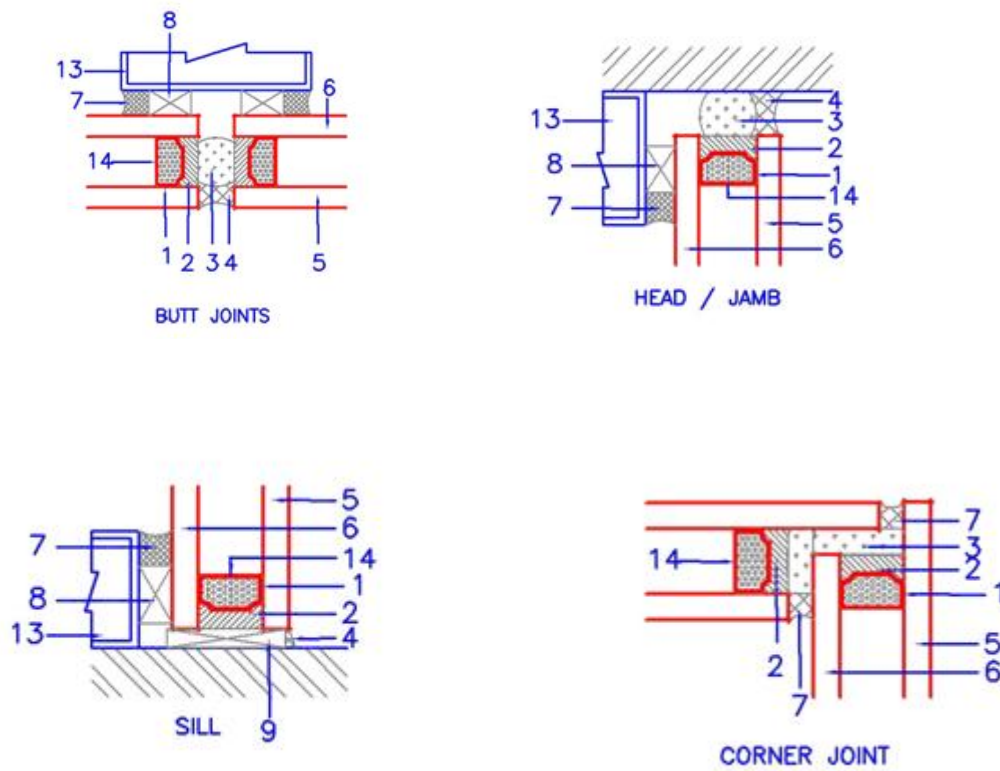
Please note:

Information provided is issued for specification reference only and should not be used as a substitute for detailed technical advice. K&K Glass disclaims any responsibility for loss or damage suffered from the use of such data. To the best of our knowledge the information detailed above was correct at the time this document was published and printed.

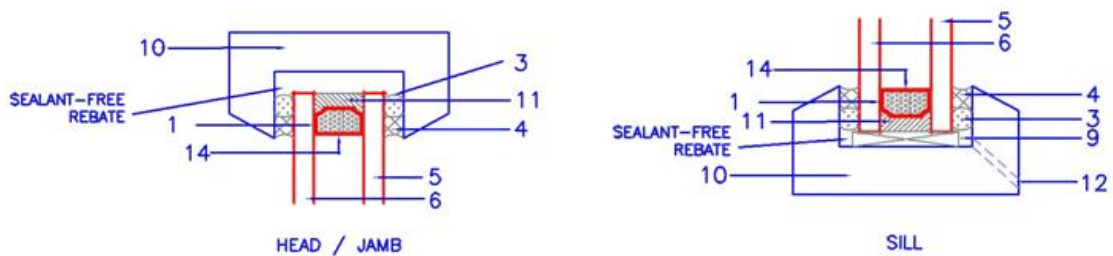
Acknowledgement: K&K Glass would like to acknowledge and thank Viridian for their assistance in compiling this document.

Recommended Glazing Details

Typical Structural Glazing Details



Typical Frame Details



CODE EXPLANATIONS

- 1 PRIMARY SEAL (PIB)
- 2 SECONDARY SEAL (DOW CORNING 982)
- 3 BACKER ROD (CLOSED-CELL PE RECOMMENDED)
- 4 WEATHER SEAL (DC991 & DC995 RECOMMENDED)
- 5 OUTER PANE
- 6 INNER PANE
- 7 STRUCTURAL SEALANT (DC995 RECOMMENDED)
- 8 SPACER BLOCK
- 9 SETTING BLOCK (PE OR PP RECOMMENDED)
- 10 WINDOW FRAME
- 11 SECONDARY SEAL (POLYSULPHIDE)
- 12 WEEP HOLE
- 13 SUPPORTING FRAME
- 14 METAL SPACER FILLED WITH DESICCANT)

NOTES:

- 1 THIS DRAWING SHALL BE READ IN CONJUNCTION WITH K&K GLASS TECHNICAL SPECIFICATION FOR GLAZING.
- 2 IN GENERAL, SEALANTS ARE NOT TO BE USED TO SECURE GLAZING BLOCKS IN SEALANT-FREE REBATE
- 3 ALL MATERIALS USED FOR GLAZING MUST BE CHECKED FOR COMPATIBILITY WITH THE COMPONENTS OF THE IGU
- 4 INCOMPATIBLE SEALANTS AND GLAZING BLOCKS WILL VOID THE WARRANTY

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