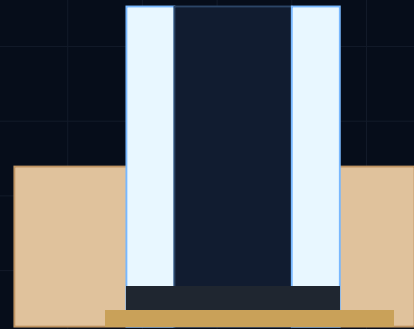


PROFESSIONAL FIELD REFERENCE

Measuring, Sightline & Installation Manual

For surveyors, joiners, glaziers and installers working with shallow heritage rebates and reduced-sightline IGUs.



EDGE SEAL / SIGHTLINE

TECHNICAL DECISION GATE

Four dimensions decide whether a slim IGU fits and disappears into the original detail.

A Overall unit thickness

Physical depth of the complete IGU.

B Edge sightline

Glass edge to visible spacer / seal.

C Rebate cover

Amount concealed by frame, bead or putty.

D Manufacturing size

Width / height after approved clearance.

CORE RULE Do not release manufacture on overall thickness alone.

Verify sightline and rebate cover against the actual frame detail.

MEASURE THE FRAME, NOT THE ASSUMPTION

Survey data controls manufacture.

Record the opening, available glazing depth, edge cover and glazing method before specifying the build. Slim units leave less room for guesswork than conventional IGUs.

01 Opening width & height

Measure at least three positions in each direction. Use the smallest verified opening as the dimensional reference.

02 Available glazing depth

Measure prepared back-bedding plane to intended fronting / bead line, allowing for bedding.

03 Sightline requirement

Record the maximum glass edge that can be hidden behind putty, bead or glazing bar.

04 Rebate cover / upstand

Record cover over the perimeter seal without compromising drainage or bedding.

SIZING EQUATION

Unit dimension = smallest opening - (2 x edge clearance)

Reference method: 3mm edge clearance is the normal value; 1.5mm appears only for reduced rebate / sightline conditions. Treat 1.5mm as project-specific, not an automatic deduction.

REFERENCE PARAMETERS FROM THE SOURCE METHOD

TIMBER MOISTURE

<=17%

Before glazing

EDGE CLEARANCE

3mm typical

1.5mm reduced detail

SETTING BLOCKS

Quarter points

Practical support position

SPACER POSITION

At / below sightline

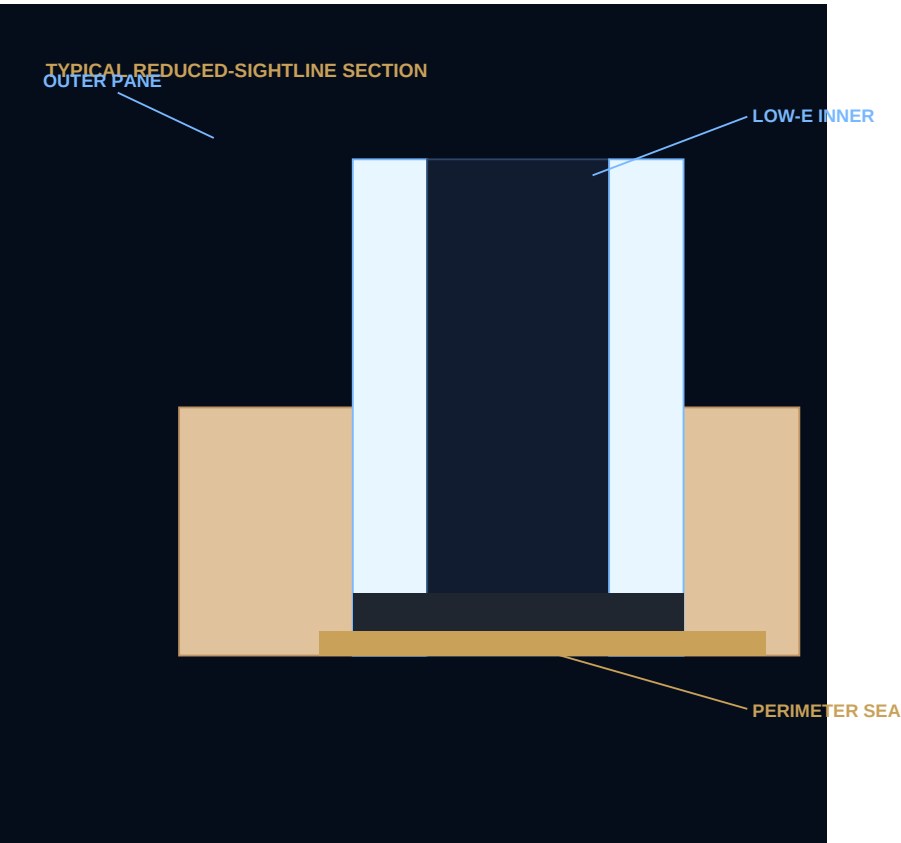
Before final fronting

NOTE Reference values support survey control; final release follows the selected IGU and glazing system.

EDGE GEOMETRY

Sightline is a dimension, not a marketing description.

A reduced-sightline unit can fit the depth and still look wrong if the perimeter seal remains visible.
Read the edge section before choosing a build.



DIMENSION LOGIC

Overall thickness answers will it fit?
Sightline answers will the edge disappear?
Rebate cover joins the two.

A	Overall
Complete IGU depth	
B	Sightline
Glass edge to visible spacer	
C	Cover
Frame / bead / putty concealment	

CURRENT GLAZIE REFERENCE BUILDS

BUILD	MAKE-UP	CAVITY	GAS	SIGHTLINE	REBATE
11.5mm	3/5.5/3	5.5mm	Krypton	3-4mm	Project
12mm	4/4/4	4mm	Krypton	Build-specific	Project
14mm	4/6/4	6mm	Krypton	5.5-6mm	7mm+
16mm	4/8/4	8mm	Krypton	5.5-6mm	7mm+

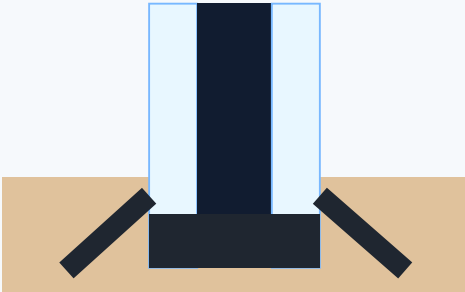
The source describes narrow-cavity / reduced-sightline IGUs as cavity widths of 8mm or less with reduced spacer-bar sightlines. Final production geometry remains build-specific.

GLAZING METHOD

Two approaches. One rule: protect the IGU edge seal.

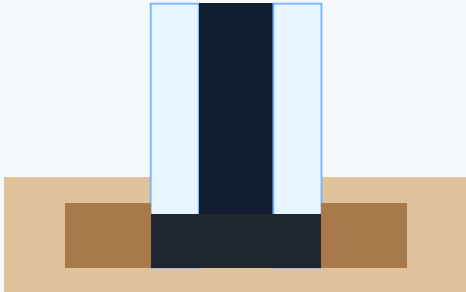
Use only compounds, tapes, sealants, blocks and packers confirmed as compatible with the sealed-unit edge system. Avoid direct glass-to-frame contact and water-trapping voids.

PUTTY-FRONTED



Use compatible continuous bedding, set on blocks, retain without point-loading, then tool the external front to the intended sightline.

BEAD-GLAZED



Bed continuously, set distance pieces opposite the back bedding, fit beads without glass-edge contact, then seal and tool to shed water.

DETAILED SITE SEQUENCE

01 Prepare rebate

Sound, dry, clean, coated; remove failed bedding and loose material.

03 Set blocks

Support near practical quarter points; add location blocks to opening sashes.

05 Retain

Use non-rusting approved sprigs / pins or beads. Never contact the glass edge.

07 Front / bead

Finish to planned sightline and keep edge cover consistent.

02 Dry-fit

Confirm centralisation, depth, sightline cover and edge clearance.

04 Back bed

Continuous compatible bedding; 3mm reference, 1.5mm only in approved reduced detail.

06 Perimeter fill

Completely fill the perimeter void to avoid unsupported water paths.

08 Tool & inspect

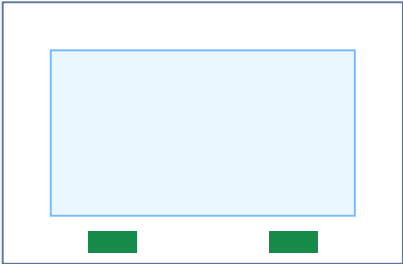
Tool to shed water, keep drainage clear and inspect before handover.

LOAD PATH & BLOCKING

Support the glass according to how the sash moves.

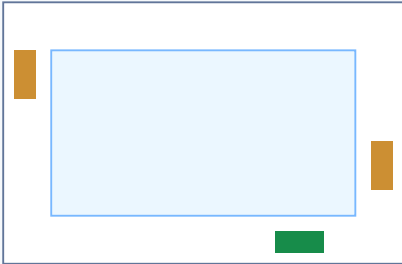
Setting blocks carry dead load. Location blocks control movement and help keep an opening sash square. Incorrect or missing support can concentrate stress at the IGU edge.

FIXED / DIRECT



Weight supported from bottom rebate.

SIDE-HUNG



Support and location control depend on hinge side.

TOP-HUNG



Bottom support plus upper location control.

 **SETTING / SUPPORT BLOCK**

 **LOCATION BLOCK - POSITION DEPENDS ON SASH TYPE**

REFERENCE BEADED-METHOD FIXING DETAIL

END DISTANCE

<=50mm

Pins no more than 50mm from bead ends.

PIN SPACING

<=150mm centres

Avoid widely spaced retention.

MINIMUM

2 pins / bead

At least two pins to each bead.

FRAME & UNIT PREPARATION

Moisture

Reference timber limit: <=17% before glazing.

Coating

Re-prime / stain missed or weathered sections.

IGU inspection

Check defects and protect the edge seal.

Laminated panes

Protect laminate edges where required.

FINAL TECHNICAL CHECK

Controlled release to manufacture.

Complete these checks after the actual opening, glazing method and active supplier build have been verified.

01 Frame condition Sound, dry and able to carry IGU weight.	02 Opening size Smallest verified width and height recorded.
03 Overall depth IGU plus bedding / beads fits the depth.	04 Sightline cover Spacer and perimeter seal will be concealed.
05 Safety glazing Toughened / laminated need confirmed.	06 Build makeup Pane / cavity / pane matches active build.
07 Gas & Low-E Fill and coating orientation confirmed.	08 Blocks / packers Locations and materials suit sash type.
09 Compatibility All materials are IGU-edge compatible.	10 Drainage Finished detail sheds water and drains.
11 Historic / consent Required project checks completed.	12 Final dimensions Manufacturing sizes checked before approval.

STANDARDS & RESPONSIBILITY

The reference document cites BS 6262, BS 8000 and Glass and Glazing Federation guidance, and notes that dimensional constraints in reduced-sightline work may prevent every conventional requirement being met. Final installation follows the IGU manufacturer, selected glazing system and project-specific requirements.

SITE RECORD / RELEASE TO MANUFACTURE

PROJECT / WINDOW REF		SURVEYED BY	
BUILD / THICKNESS		DATE	