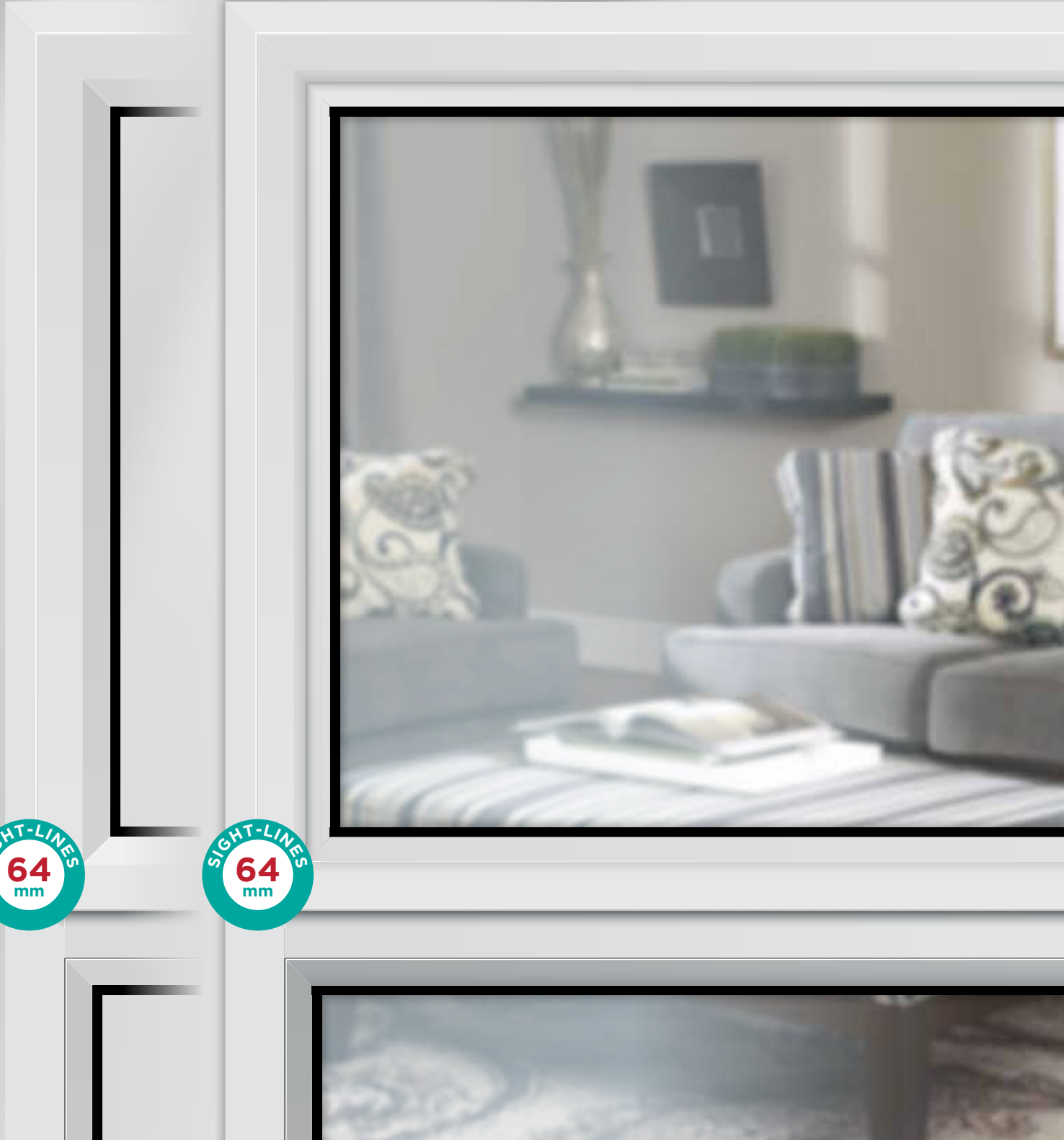




Internally-beaded Steel-Replacement Casement Windows with Slim-Rebated Sashes



SIGHT-LINES
64
mm

SIGHT-LINES
64
mm

Steel Replacement **Crittall® Replacement**
AW614 Sash AW686 Sash

HARDWARE OPTIONS

A select range of hardware finishes are available to suit contemporary or traditional installations.



WHITE

BLACK

BRIGHT CHROME

GOLD

ANTIQUE BLACK

GRAPHITE

BRIGHT BRONZE

ANTHRACITE

STANDARD FINISHES



Pure White
RAL 9010
GLOSS



Jet Black
RAL 9005
MATT



Anthracite Grey
RAL 7016
MATT



Chocolate Brown
RAL 8017
MATT



OPTIONAL FINISHES

A wide range of RAL colours and finishes are available to complement any style or period of home

ADDITIONAL HARDWARE OPTIONS



Modern
Monkey-tail
Handle

Modern
Tear-drop
Handle



Traditional
Tear-drop
Handle

Traditional
Monkey-tail
Handle

TRADITIONAL FINISHES



Electro Gold

Antique Bronze

Polished Chrome

Black

Satin Chrome

Bronze Red Tint

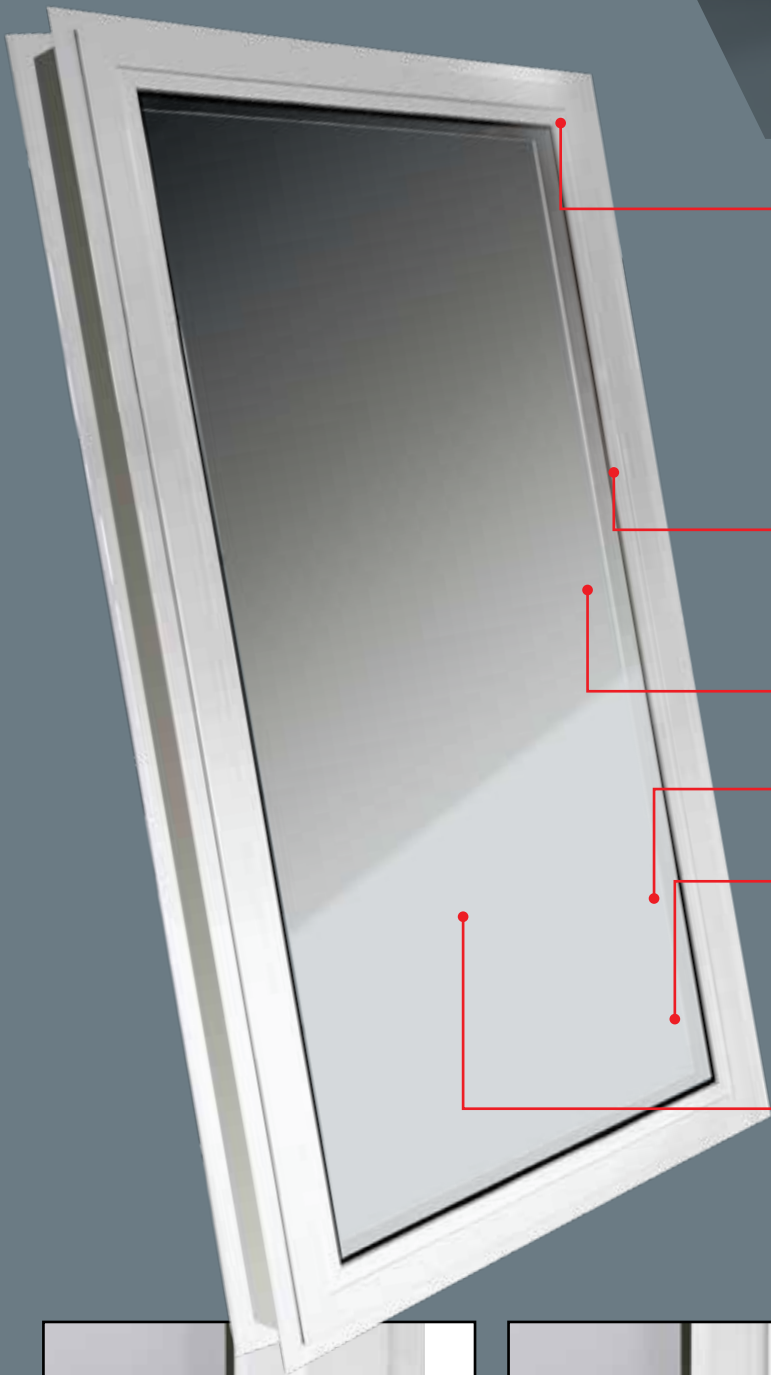
White

Graphite

Pewter Patina

HERITAGE

aluminium



Mitred, mechanically-jointed frame and sash

Heavy-duty easy-clean/ fire escape friction stays for side-hung windows.
Heavy-duty friction stays for top-hung windows.

High security, multi-point locking system comprising of roller-cam bolts, twin shoot-bolts and optional hinge bolts

Contemporary or Traditional handles available in a choice of finishes

A choice of either black, white or grey, warm edge spacer bar

Internally-glazed

Double-glazed unit uses clear SGG Planitherm TOTAL+ energy glass, to achieve maximum amounts of incoming light, and up to a WER A Energy Rating

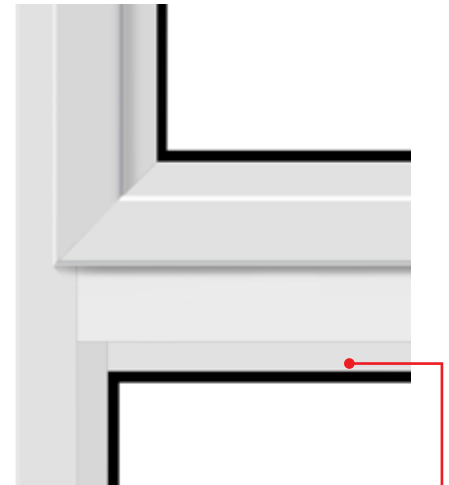
UNEQUAL SIGHT-LINES



viewed **externally**
AW686 STEPPED SASH
with
AW663 BEAD
AW605 FRAME

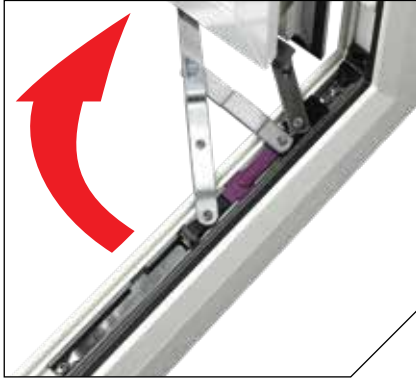


viewed **internally**
AW686 STEPPED SASH
AW663 BEAD
AW605 FRAME



With unequal sight-lines it's common to use a square bead for the frame although historically, it would have been a putty-line around the glass so a chamfered bead would be more in keeping

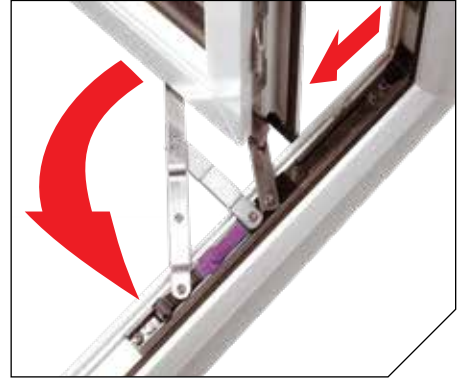
STANDARD EASY-CLEAN HINGES



The Easy-Clean hinges enable the sash to be opened at 90 degrees



By pressing down on the purple button, the sash is released and can slide along its hinge runner



This now gives access to the front of the sash from indoors for cleaning.



Steel
Replacement
AW614 Sash

Crittall[®]
Replacement
AW686 Sash

SECURITY

Certified under the Secured By Design scheme and tested to PAS 24

GREEN GUIDE RATED A

PERFORMANCE

| | |
|---|------------------------|
| U value W/m ² K (Double glazing) | 1.4 W/m ² K |
| Acoustic performance (dB)Rw | 42dB |
| Air tightness (Pa) | Class 4 (600 Pa) |
| Water tightness (Pa) | Class 9a (600 Pa) |
| Wind load (Pa) | Class E2400 (2400 Pa) |

ENERGY EFFICIENCY

Unique polyamide thermal break design to improve thermal performance

