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CASEMENT WINDOW OPTIONS

1. Night Ventilators

All windows between 488mm and 914mm include 4000mm ventilation. All windows 915mm wide and over include 8000mm ventilation. Please specify if you require only 4000mm or no ventilation. ***Cord operated night ventilators are available for ease of opening at a small extra cost.**

2. Reflex Hinges

Frames come with cranked storm-proof hinges as standard to opening sashes.

- Reflex hinges are available as an option.
- Side hung windows over 1350mm require heavy duty reflex hinges.
- We do not recommend Side Hung windows over 1500mm high.
- Heavy duty reflex hinges may be required on Single Sash Side Hung windows over 630mm wide dependent upon the height of the sash.
- We do not recommend Side Hung Single Sash windows over 915mm wide.
- Heavy duty reflex hinges are required on the following Regency, Colonial and full height Top Hung window sizes:

Regency and Colonial	
915 x 1350	1200 x 1350
915 x 1500	1200 x 1500
915 x 1650	1200 x 1650

Full Height Top Hung		
488 x 1050	915 x 1050	1200 x 750
488 x 1200	915 x 1200	1200 x 900
630 x 1050		1200 x 1050
630 x 1200		1200 x 1200

All measurements in millimetres

Fire escape reflex hinges are available; please see fire escape windows on page 10.

Standard reflex hinges are not sold as easy clean hinges. Please contact sales office for information on easy clean window options. Telephone 01469 535302

3. Cills

The standard cill width is 155mm to allow the frame to be set back into the cavity to meet Part L Robust Construction Detail requirements. Other available cill width options are 69mm flush cills and 105mm stub cills (at no extra cost), or 181mm and 205mm extended cills (at extra cost).

Unless given a thorough decorative seal all round, extended cills are liable to changes in moisture content, which can

cause them to split or distort. They should be decorated all round, including the endgrain, with a suitable external joinery paint or stain; applied in accordance with the manufacturer's recommendations. These risks are greater on south facing elevations or if decorated with a dark top coat. Where a frame needs to be set back into the wall to avoid cold bridging, we recommend that a flush or a stub cill is used in conjunction with a stone or canted brick cill. Consequently, we do not guarantee extended cills.

4. Finishing options

Frames are available with a primer, twin coat or the Endurance fully finished option, see page 12.

5. Combination Door & Window Frames are available**6. Factory Fitted Swept Head are available****7. Additional Sash are available****8. Additional Vent**

Additional shallow or deep vents are available.

9. Repair Kits for Fully Finished Windows

Includes paint or stain, brush, sandpaper, tube of filler and instructions. Will cover 0.5m².

10. General Purpose Anti Fungal Silicone

Available for site application.

11. Cavity Closers in loose lengths are available**12. Window furniture and locking mechanisms**

A range of furniture options is available, please see page 21.

Available in a range of colour options. White, Black, Brown, Silver and Gold in one price group. Polished Chrome effect and Polished Brass effect are available at an extra cost.

Windows fitted with shoot bolt or espagnolette locking systems must be fitted with reflex hinges.

Cam adjustments on espagnolette and shootbolt locking:

Both locking mechanisms are user adjustable by the purchaser to allow for

slight movement which can occur naturally within timber profiles, or any alignment change which may have occurred to the sash during the transport or installation of the frame.

13. Restrictor Stays

Face fixing restrictor stays in brown or white colours are available.

NOTE: Restrictor stays should not be put onto fire escape frames.

14. Secured By Design

Hi-Spec casement windows can be upgraded to achieve BS7950: 1997 Secured By Design requirements. Please see page 11.

15. Cambered Heads

One per window produced in Non-Laminated Redwood are available. One will be supplied per frame unless otherwise requested.

16. Perimeter Pinch Battens

For installing frames into timber frame buildings. These are available made from Non-Laminated Redwood. They are fitted to the jambs and heads of the frame unless otherwise requested.

17. Window Surrounds (WSA)

Available in 82mm and 98mm widths for rendering or timber cladding and 135mm width for tile hanging. Please specify whether you want the window surrounds fitted to window jambs only, or the jambs and head.

18. Shrink Wrapping

Endurance fully finished frames are wrapped as standard in a clear cling film which permits visual inspection of the frame upon delivery. Optionally, primer finish and dual coat finish frames can be supplied in a heavy-duty shrink-wrap at an additional cost.

19. Quotation Prices

Quotation Prices do not include VAT which will be charged at the rate applicable at the time of delivery. Prices quoted are subject to Howarth's Standard Terms and Conditions of Sale. (See pages 87 or contact the Sales Office on 01469 535302).

20. Deliveries

All ancillary purchases are subject to a post and packing charge. Deliveries of five frames or less will be subject to a delivery charge.