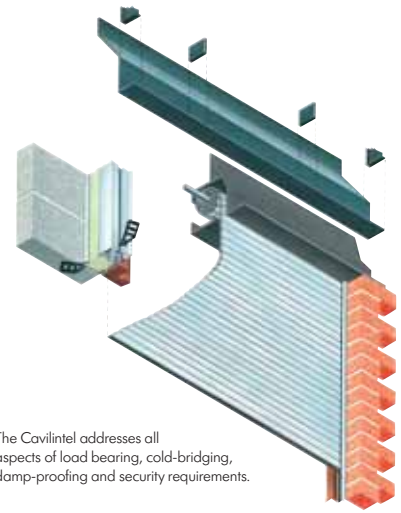


Cavilintel

Lintel with integral security shutter

- Lintel with built-in facility for vandal-resistant shutter
- Clear structural opening unobstructed by guides or surface fixings
- Complete installation requirements including Cavitrays, Weeps, Stopends, DPC
- Benefit of property upgrade immediately or at a later date



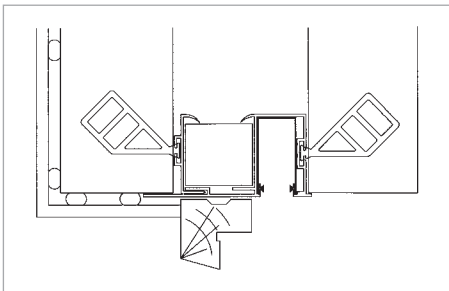
The Cavilintel addresses all aspects of load bearing, cold-bridging, damp-proofing and security requirements.

USE

To provide a load bearing lintel over an opening plus an accompanying security shutter facility without affecting the external elevation appearance.

SOLUTION

The Cavilintel resembles an ordinary load bearing lintel but incorporates within its box construction a roller security shutter. The shutter is lowered and raised electrically with the ends of the security shutter moving within insulated guides that are set back within the cavity of the masonry wall opening.



Each Cavilintel package includes all structural opening requirements. The lintel and security shutter within are accompanied with the insulated guide channels, the head and sill Cavitrays, Caviweeps and Stopends. This package is completed with a choice of electrical control options. A manual override is provided to facilitate operation in the event of a power cut.

Positioning the shutter guides within the cavity eliminates any external visual interference. When the shutter is raised, it is out of sight. With the guides behind the masonry rather than being surface-fixed, they are not readily accessible by potential intruders.

The Cavilintel requires the window or door frame to be set-back within the reveal opening behind the cavity guides that are moulded within the reveal vertical closers. All frames must be free of front projections that might foul any shutter movement. The Cavitrays to the head and sill that accompany the Cavilintel are appropriately dimensioned to suit this construction detail.

Once the opening has been structurally completed and the electricity supply requirement provided, an approved specialist commissions the shutter. Once commissioned, the open back of the Cavilintel may be panelled over and visually finished internally by the building contractor.

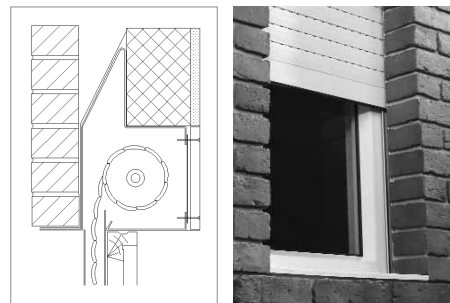
HOW TO ORDER

We will be pleased to detail and price your requirements. Provide elevation and plans with dimensions. Advise any point loadings, non-standard aspects and design requirements

SPECIFICATION WORDING

Cavilintel by Cavity Trays of Yeovil Somerset BA22 8HU (01935 474769).

Cavilintel package to listed openings as schedule. Request liability/conformity document upon completion.



DESIGNERS' COMMENTS

Closer sits within the reveal masonry and is insulated where the frame abuts in its set-back position. This provides the recommended thermal break arrangement. The metal-lined channel guide within which the shutter ends locate is adjacent and interfaces with the sill DPC Cavitrays. Inward blown rain can discharge via the bottom of the channel.

PRODUCT NAME - GROUP

Cavilintel

CAVITY WIDTHS ACCOMMODATED

75mm – 100mm

DIMENSIONS – LINTEL

Bespoke

Max opening width 3000mm

Max drop (shutter) 2400mm

Lintel profile size dictated by drop size

DIMENSIONS – SHUTTER SLATS

40/45mm unless otherwise stated

TRADITIONAL CONSTRUCTION COMPATIBLE

Yes

TIMBER FRAME CONSTRUCTION COMPATIBLE

Yes – time frame version offered

NEW WORK APPLICATIONS

Yes

RETROFIT APPLICATIONS

Requires complete rebuilding of opening

MASONRY SKIN STYLES

No known limitation

UNDULATING MASONRY FACES

Yes if on exterior face

CURVED WALL ON PLAN APPLICATIONS

No

CONGRUENT WITH OTHER WALL ELEMENTS

No identified incompatibility

ARRESTED WATER EVACUATION

Via accompanying Caviweeps

MATERIAL – TRAYS / WEEPS / STOPENDS / TIES

Polypropylene DPC

MATERIAL – LINTEL

BS EN 10088 in stainless steel. BS EN 845-2:2001

MATERIAL – LINTEL INSULATION

Polystyrene BS 3837

MATERIAL – SHUTTER SLATS

Aluminium extruded

MATERIAL – CLOSERS/GUIDES

UPVC with aluminium channel glides

COLOUR

Choice of 36 shutter colours

EXTRUDES / COMPRESSES UNDER LOAD

No

WEIGHT

Pending opening and drop dimensions

CFC

CFC Free

ODP

Zero

REGULATION COMPLIANCE

Damp-proofing BS EN 845.2:2001

MAY BE USED IF CAVITY INSULATION PRESENT?

Insulation should not affect functionality

CAD DOWNLOADS

Yes

DESIGN CONSIDERATIONS

When quoting we can identify operation options to suit location and safety considerations

