



Specification Sheet



CD150 Built - On Shutters

SLATS

Description	:	CD150 is a double skin foam filled aluminium slat, vented as standard but also available non-vented.
Common use	:	Low security domestic sites
Dimensions	:	Nominally 40mm high x 9mm thick.
Weight	:	4.5kg per square metre.
Stock colours	:	White, brown, cream or medium oak wood grain effect. Bottom slat - white, dark brown.

SHUTTER BOX

Construction	:	Roll formed aluminium in two sections; top and bottom boxes. Bottom box removable for installation and maintenance and chamfered at 45°.
Box ends	:	The shutter box is assembled on die cast aluminium endplates.
Box sizes	:	Clear opening height (to underside of box): 1535mm, box size 165mm 1820mm, box size 180mm 2595mm, box size 205mm
Stock colours	:	White, dark brown.

GUIDE RAILS - REF.: H25

Construction	:	Extruded aluminium with an integral box section for reinforcement and to facilitate fixing.
	:	High density 5mm pile brush seals for quiet and smooth operation.
Dimensions	:	53mm wide x 24mm deep.
Stock Colours	:	White, dark brown.

INSTALLATION

Guide Rails	:	3 fixings for guide rails up to 1000mm in length, 5 fixings for guide rails up to 2000mm in length etc.
Shutter box	:	The shutter box is fixed at each end and 1000mm centres if over 2000mm wide.
Finishing	:	External shutters require a silicone seal between the shutter and the wall along the top of the box and down the side of the guide rails.

SECURITY FEATURES

Standard shutters lock automatically at the top when fully lowered. The bottom section of the shutter box is riveted after installation. The fixing screwheads are rendered unusable and are concealed behind cover caps. Optional 30 x 20 angle can be fixed on to the sill.

OPERATIONS FOR CD150 BUILT-ON SHUTTERS

The options priced are shown on your quotation which also shows the method of operation we have included. This list shows possible options which would incur different costs.

SWIVEL BELT WINDER - for shutters up to 15kg

The swivel winder coils the belt when it is pulled to open the shutter. The belt is 14mm wide and grey in colour. External shutters are supplied with a guide tube to protect the belt through the building wall.

GEARED BELT WINDER - for shutters between 15kg and 25kg

1:3 ratio with removable handle for belt operated shutters.

ROD CRANK OPERATION - for shutters up to 25kg

Incorporates a geared rod crank handle 1500mm long which hangs vertically and secures into a clip when not in use. The gear is installed in the box, the gear ratio varies with shutter weight.

SPRING LOADED

A counterbalance spring in the axle ensures controlled raising and lowering. An espagnolette keylock or shootbolts lock into the guide rails and are usually incorporated in the bottom slat. Final adjustment of the springloading after installation is always required.

ELECTRIC - mandatory on shutters above 25kg. (N.B. minimum shutter width 750mm)

Electric operation is required on larger shutters due to weight but is optional on smaller shutters.

OPERATION	:	By tubular motor inside the axle.
MOTORS	:	Draw 240 volts and 0.5 - 2.5 amps dependant upon the shutter size.
	:	Complete with integral limit switches and thermal cut-out to prevent overheating.
	:	Complete with 2.5 metres of cable for connection.
CONTROL	:	By momentary switch which must be held until the shutter reaches the desired position.

Provision of a 13 amp fused spur is required for installation. A manual override should be priced and ordered separately for shutters which are to be installed on exit doorways to permit operation in the event of a power failure.