SECUROBAR™ Removable Window Bars

OVERVIEW

APPLICATION GUIDE

The award winning SecuroBar system uses tough powder-coated steel bars which are locked in place on the inside of windows, in either a vertical or horizontal format. Strong extruded aluminium retaining units secure each bar, yet the unique locking system means that they can be released in seconds.

SPECIFICATION AND SIZES

The maximum width available with single key operation is 3000mm. However, wider openings can be accommodated with an additional lock and set of bars. The minimum width for removable bars is 250mm. The maximum height available is 2100mm when fitted with spreader bars which reduce bar deflection on taller applications and ease their removal. Openings up to 1500mm in height can be accommodated without the use of spreader bars. The minimum height restriction is 200mm. Each bar consists of a 19mm steel outer tube with free-moving 15mm steel inner tube. The bars are locked in place using a high security 10 pin radial camlock with 5 million + key combinations. The maximum number of SecuroBar systems that can be keyed alike is 100. It is not possible for us to key alike orders to ones supplied previously. SecuroBar is supplied in semi gloss white (RAL 9010) as standard, however other colours are available by quotation. On narrow, but high openings or doorways the system can be installed with the retaining units running vertically and steel bars horizontally. When mounting the bars horizontally the lock must always be fixed on the left hand side when viewed from inside looking out. SecuroBar can be supplied with pre-powder coated aluminium packers to face fix the system to any wall. SecuroBar removable window bars are designed to be fitted internally and under no circumstances are they to be installed externally.

ORDERING

NOTE: Ensure that tight reveal sizes (in particular the height) are given when ordering. Failure to do this could mean that the bars are cut too short for the opening compromising the level of security achieved.

INSTALLATION

The system is designed to fit as close as possible to the window frame, this will avoid any cavity for dust and dirt to collect in. The top and bottom retaining units can be placed up to the window frame and the fixing positions marked with a pencil, the retaining units can then be removed and the appropriate size hole drilled. The minimum recommended fixing is 10 x 2" (50mm) countersunk wood screws (see figure 1.). It is very important that countersunk screws are used, these will allow greater clearance in the top retaining unit. It is usually necessary to create a small recess directly below the lock position to allow the bottom fitment to seat correctly. For wider or horizontal bar applications the fixing plates can be secured within the retaining unit by using masking tape or a small amount of silicone sealer. (This will eliminate fixing plate movement). Before finally tightening the top and bottom retaining units the end caps should be moved out to the end of the opening, this will provide a neat and even finish to the system. The location of the fixing screw can be seen to the right.

OPERATION

SecuroBar is operated by a single radial lock point. The key **must always be pressed** in before any key rotation is possible. All occupants of the building must be familiar with the operation of the system, and aware of the key's location.

STOCK COLOURS

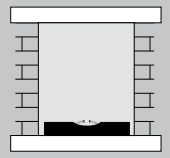
white
RAL 9010

This product can be powder coated
see page 69.
Please note the plastic end caps are only available in white.

HINTS & TIPS

SURVEYING

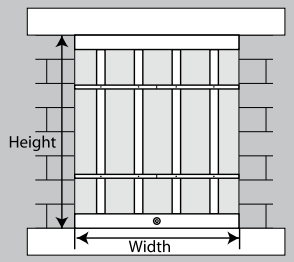
It is important to check during the survey that the opening is suitable for SecuroBar. If the reveal construction is solid steel or a cavity then it would be better to face fix the system around the opening.



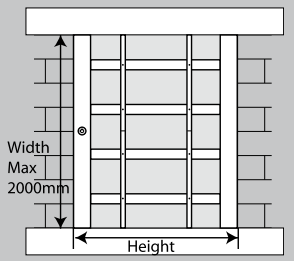
You must check that the reveal is straight and level, any deflection of the bottom retaining unit will cause the mechanism to stick. Packing strips can be used to make the reveal level.

If the reveal slopes inwards or outwards (see figure 2.), or the top retaining unit is not fitted directly above the bottom retaining unit, the sockets will not lock in the slider mechanism. The reveal should be levelled up with packing strips and re-measured.

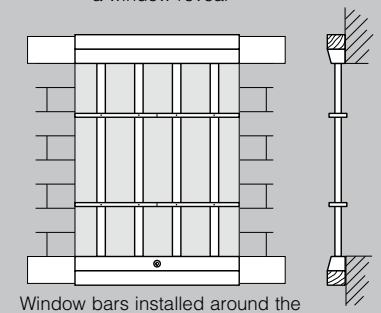
When surveying for window bars which are fitted horizontally you must provide the width and height as shown in the diagram. The maximum width for a window bar fitted horizontally is 2000mm. When mounting the bars horizontally the lock must always be on the left looking from the inside out.



Convention installation within a window reveal



Window bars installed horizontally within a window reveal


Window bars installed around the window (face fixing)

Aluminium guide and fixing plate

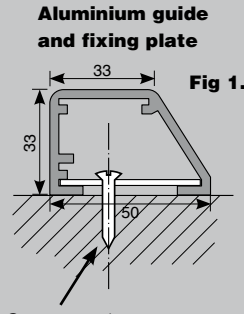


Fig 1.

Counter sunk screw

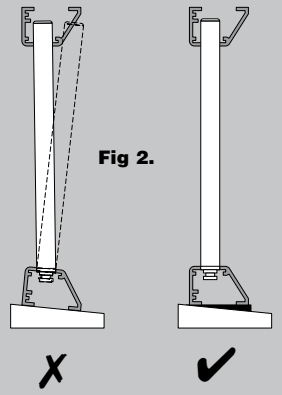


Fig 2.

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WHAT ARE SPREADER BARS?

Spreader bars are used to reduce the deflection on taller applications and ease removal of the bars. Two rows of spreader bars are required on all bar systems above 1500mm tall. The spreader bars should be fitted one quarter tube height from the top and bottom to give maximum rigidity. The spreader bars are to be fitted before they are located into the top and bottom retaining units. Fixing is by M5 8mm grub screw with 2.5mm allen head.

FACE FIXING AND HORIZONTAL OPERATION

The system can be supplied (at additional cost) with pre powder coated 50mm x 50mm aluminium packers to face fix it to any wall. When mounting the bars horizontally the lock must always be fixed on the left hand side **looking from inside out**.