


The Therma-roll Insulated shutter range has a choice of 3 profile sizes 42mm, 52mm and 77mm. All of the Therma-roll profiles are Aluminium double skin profiles, with cfc free insulated core sections, designed to give acoustic and thermal benefits

Therma-roll also has a choice of operating systems and control options to match all requirements

Therma-roll 42mm profile





42mm profile sections are designed to interlock to give maximum insulation and acoustic properties, with a thickness of 5mm across the profile the Therma-roll 42mm is ideally suited for domestic and cabinet applications.

Small profiles have improved rolling characteristics allowing smaller head space requirement, the 42mm profile only requires as little as 150mm housing box.

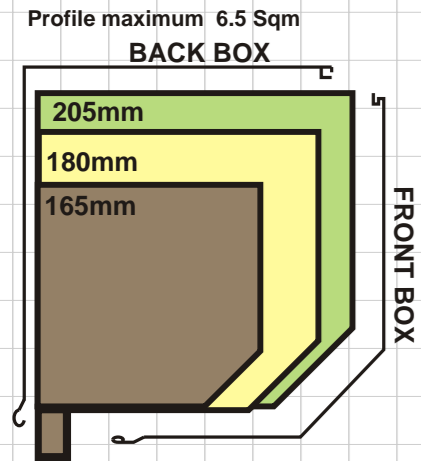
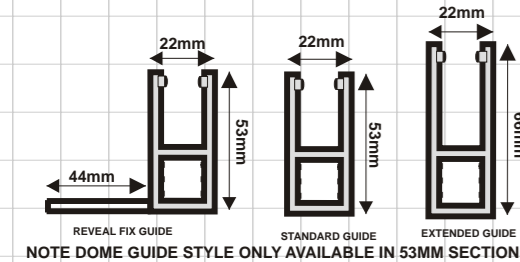
Every Therma-roll shutter comes complete with reinforced bottom rail section giving added security when closed.

When using a manual counterbalance operating system the locking section will be incorporated in a specially designed extruded base rail which has recessed locking bars giving added security.





Dome face guide caps are also available serving a dual role of covering any fixing points, giving added security as well as giving the guide section a more aesthetically pleasing finish when used in a face fix enviroment.



All of the above height calculations are based upon a 60mm octagonal axle.
If exceeding a span of 3000mm please allow for a 70mm axle which may alter the headplate size
Please call to verify your plate details prior to ordering.

All Therma-roll shutters are supplied with a full housing casing as standard.
A choice of shape is also available, with the conventional angular head plate or the curved head plate and housing box.
In conjunction with curved guide cover this can make any application more aesthetically pleasing.




Therma-roll 43 has a choice of guide sections to suit most applications. All guide sections come complete with brush strips.

Colour Options




Therma-roll 52mm profile




52mm profile has an extensive range of colour options available. With increased acoustic and thermal properties, combined with weight efficiency, the Therma-roll 52 profile is ideal for larger manually operated cabinet or domestic shutters.

Available in the simulated woodgrain finishes the Therma-roll 52 allows the perfect blending with simulated woodgrain window and door systems.

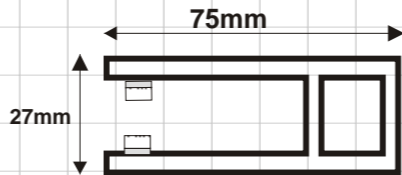


Angular Aluminium headplates complete with two part aluminium housing cover.

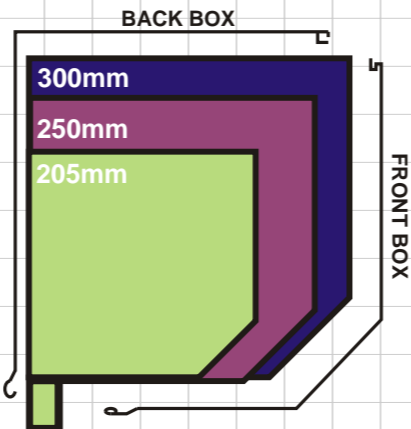


Space saving, reinforced aluminum angular head plates, which are fully finished in white or brown as standard.
All head plates feature a specially designed hard wearing nylon feed system ensuring Secure-roll operates perfectly.

Therma-roll 52 has a specially designed guide section, incorporating two heavy duty brush seals, eliminating draughts and noise.
Every guide section is fully finished in a powder coated paint covering,
Standard colours, white and brown
Guide section specification: 75mm x 27mm



Profile maximum 8 Sqm



All of the above height calculations are based upon a 60mm octagonal axle.
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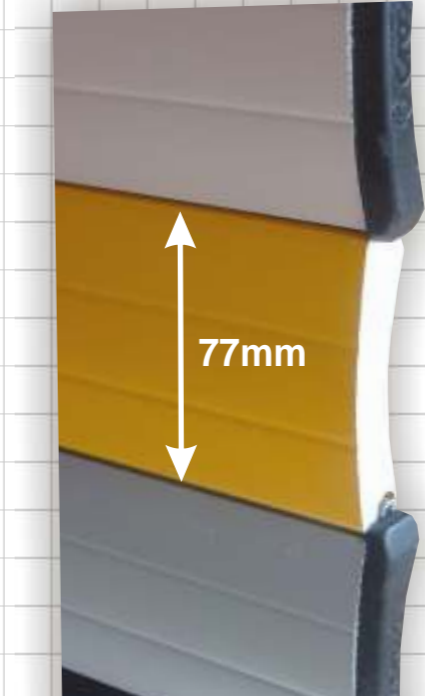
All Heights are inclusive of headplate

Colour Options



Mahogany foil finish comes with a standard brown internal finish
With a beige internal finish for the Golden Oak


Therma-roll 77mm profile





Therma-roll 77 profile is the ultimate in acoustic and thermal partitioning projects. With spans of up to 5.4 metres achievable, room partitioning can be easily undertaken. All Therma-roll 77 shutters are available with a complete housing box with all parts being powder coated as standard.

With a full choice of colours and operating styles Therma-roll 77 offers outstanding flexibility to match any application.

On larger applications Therma-roll 77 can be supplied with sliding head plate mechanism to reduce curtain deflection and the need for large ceiling aperture for the shutter to pass through.



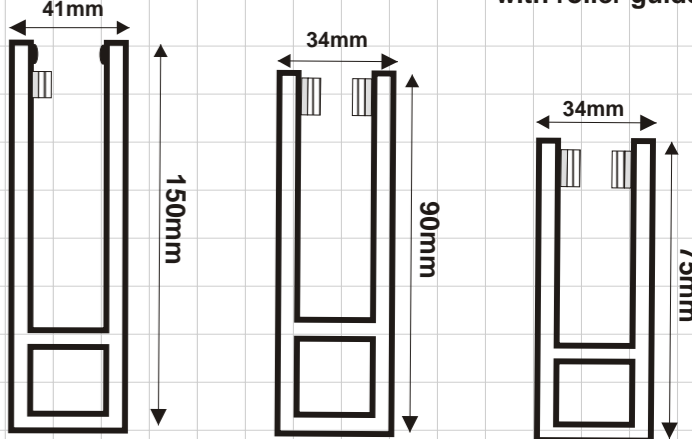




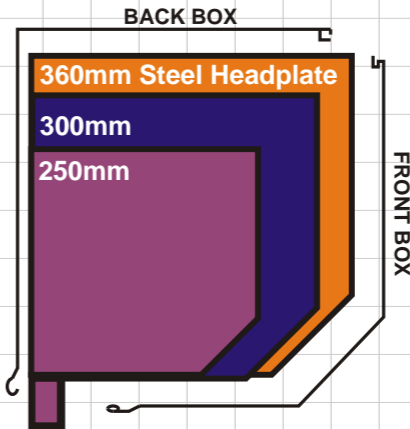
Sliding head plate mechanism shown in both fully lowered and fully open position

Standard head plate with roller guide

Therma-roll 77 has standard 90mm or 75mm guide section complete with twin brush piles to eliminate dust, debris and sound from passing through the guide when the door is in the closed position. Optional 150mm guide section is also available.



Profile maximum 16 Sqm



All of the above height calculations are based upon a 80mm octagonal axle.
If exceeding a span of 4500mm please allow for a 100mm axle which may alter the head plate size
Please call to verify your plate details prior to ordering.



All Heights are inclusive of headplate

Colour Options



Golden Oak
Mahogany foil finish comes with a standard brown internal finish
With a beige internal finish for the Golden Oak

Operating Systems

Therma-roll is available with a choice of operating systems to suit all application requirements.



Electric operation.

Using Somfy tubular motors Therma-roll can be power driven with ease, with the choice of manual over-ride options for doorway shutters and non over-ride options for window shutters. A range of Somfy motors utilising electronic limits are available to match all applications where hard wiring visibility is an issue.

Manual Counterbalance Operation

Utilising specially designed spring systems to compensate the weight of the Therma-roll profiles, manual operation is made light and easy. All manual shutters are supplied with a base rail security lock system.

Gearbox Operation

When manual operation is required from the internal elevation of the building a gearbox system can offer a perfect solution, allowing the shutter to be raised using a crank handle.

Auto locking System can be used with motorised and gearbox operated shutters to enhance security.

Tape winder box operation is available on the Therma-roll 40mm and 52mm profile shutters. Allowing easy operation from the internal elevation of the building.

Control Options

In conjunction with powered operation a selection of control options are available.

- | | |
|----------------------------|---|
| Standard Dial Switch- | Internally mounted wall switch controlling a single shutter, flush fitting or surface mounted |
| Keyswitch- | Externally mounted security switch supplied with two keys, flush fitting or surface options |
| Wireless Remote Systems- | Allowing the control of groups of window shutters via one remote switch. |
| Remote Control Systems- | Used in conjunction with a safety device the remote system can be used on any application. |
| Specialist Group Controls- | Specialist control systems to manage a full building can be designed to allow shutters covering fire exits to be opened on activation of a fire alarm system. Individual room controls including light integration systems can also be catered for. |



Your local Therma-roll dealer

For Your Information

Due to up and coming changes in the current legislation safety break and active safety edge may be required in the future. Please contact your local dealer for more information.
On occasions marking to the internal face of the door can occur from prolonged contact with the locking mechanism, unfortunately this is unavoidable and is not covered by the standard warranty as layed out below



WM Shutters Ltd



Warranty

All Therma-roll security shutters come with a manufacturer two year warranty, subject to correct installation & servicing.
Somfy Tubular motors come with a five year extended warranty period

WM Shutters Ltd as a progressive company reserve the right to update or modify Therma-roll without prior consultation. All colour samples depicted in this brochure are as close to the original manufacture colour as possible doors supplied may vary in colour from the brochure representation

Application styles

Therma-roll can be supplied in a range of application styles .

In-Built System

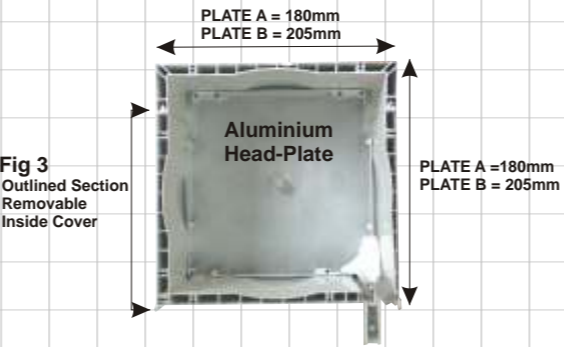
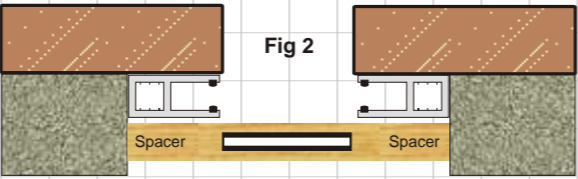


Fig 3
Outlined Section
Removable
Inside Cover

PLATE A =180mm
PLATE B = 205mm

Please note this above application system cannot be used in conjunction with Therma-roll 77

Standard Face Fix

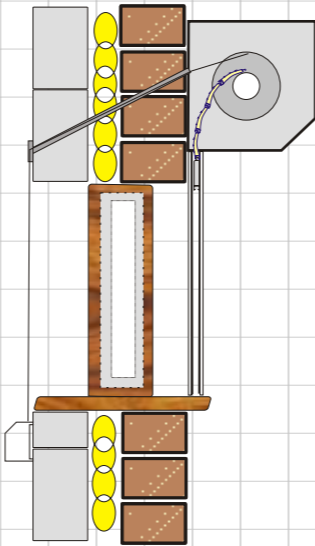


Diagram shown above depicts tapewinder operation

Standard Reveal Fix

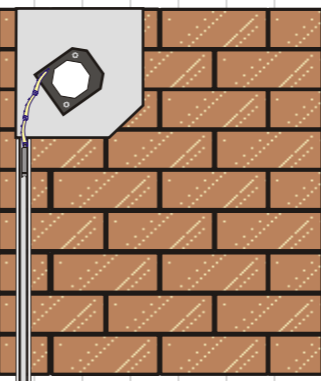
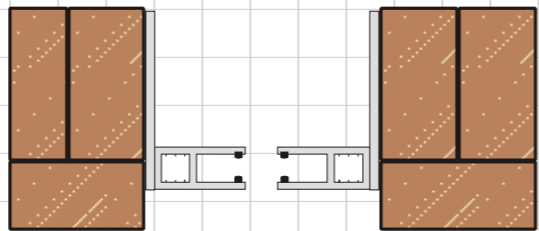
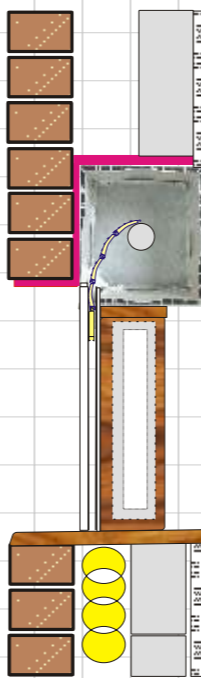


Plate dimensions are the same as Standard Face Fix



In Built system allows the shutter box to be hidden completely when viewed from the building exterior.

The head box is a upvc section with a removable internal access panel see Fig 3.

Designed for use with new build, the system can also be integrated when refurbishing window profiles.

Recessing the internal block work to accommodate the guide section allows the guide to be flush with the outside face of the finished brickwork see Fig 2.

Using a standard step lintel to create the space required to hide the head plate system above the external finished brick line.

The shutter can either be fitted directly to the window system off site, or fitted directly to the wall before the window is installed.

The window section requires an additional spacer attached to each side to ensure that the glass line does not interfere with the finished external brickwork.

Standard Face fix is used for most retro-fit applications, using standard head plates and full box cover, this system sits directly onto standard layout brickwork with the box surface mounted above the window opening. When using face fix with certain applications a base cill angle may be required when the existing window cill is not suitable for the shutter to close onto.

Standard Reveal Fix allows the shutter to fit between two parallel surfaces. All shutters have a full box which includes a back box (Fascia) that hides the barrel mechanism.

On wider spans where the fascia is unsupported we advise the use of a stiffening angle to help ensure the fascia stays rigid.

The over-ride or gearbox outlet can be positioned to either exit from the front of the plate or the back, allowing operation from inside or outside.

This application is commonly used for recessed doorways and cabinet applications.

Insulated Roller Shutters Enhancing Thermal And Acoustic Values Therma-roll



Suitable for:
Partitioning
Bar Shutters
Storage Cabinets
Commercial Offices
Domestic Property

Foam-Filled Insulated Aluminium Shutter Range

