Sentry Automation Ltd

95mm Insulated Shutter

Foam-filled steel roller shutters

THERMAL & ACOUSTIC PERFORMANCE **95mm FOAM-FILLED LATH**



Insulation. Strength. Everyday reliability.

Sentry's 95mm insulated roller shutters combine curved steel lath with hot-injected polyurethane foam. Designed for industrial, commercial and domestic openings, they offer thermal and acoustic performance with a choice of manual and powered drives.

Supply only • Installation • Repairs • Planned servicing

0113 403 5583 enquiries@sentryautomation.co.uk sentryautomation.co.uk

Built for a more controlled environment

High-density insulation is compacted within each lath to reduce thermal conductivity and heat transfer by convection. The insulated curtain helps reduce heat loss and noise transmission, supporting more comfortable working conditions.

Thermal test	Assembled curtain tested to 3.3W/m²K.
Acoustic test	22dB level difference, inclusive of flanking effects at the test location.
Air permeability	1.95m³·h⁻¹·m⁻² at 50Pa.
Wind test	Tested to category / class 5 wind load.

APPLICATIONS & CONSTRUCTION BENEFITS

Suitable for industrial, commercial and domestic use, including automated garage doors. Strong yet lightweight, with a compact roll-up diameter, low maintenance requirements and long service life.

Curved inner and outer surfaces promote strength. The textured finish supports durability; laminated coatings provide anti-scratch resistance. Formed top and bottom hooks provide a solid connection and quiet operation. Designed for frequent use and demanding industrial conditions.

OPERATION & SAFETY

Hold-to-run operation as standard. Options include photocells, light curtains and wired or wireless safety edges. The supplied literature calls for two safety provisions when adding automatic operation, remote controls or radar. The complete safety arrangement must be selected for the operating mode and installation.

UK-manufactured product • UK parts availability • Short lead times subject to quotation • CE and UKCA marking stated in the supplied literature.

GfA control panel

Hold-to-run control as standard. Specify automatic activation, safety devices and the final control arrangement with the door.



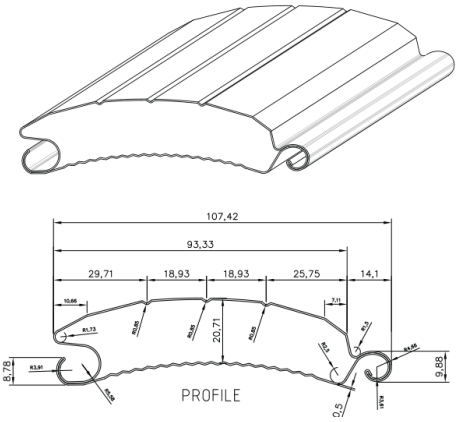
Performance and options are based on the supplied manufacturer literature. Confirm the selected door, dimensions, electrical supply, safety configuration, finish and installation requirements with quotation.

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Curtain, guides & weather seals

Lath / curtain	95mm curved, insulated foam-filled profile.
Guide channels	90mm galvanised reinforced guide, with double clip-on brush strip as standard.
Top & bottom seals	100mm top brush and bottom rubber weather strip.
Backing angles	75 × 50 × 5mm galvanised angles as standard.
End plates	6mm mild-steel laser-cut end plates as standard.
Bottom rail	Extruded aluminium with rubber seal.
Curtain weight	13kg/m²; similar weight per square metre to traditional 20swg lath.
Finish options	Galvanised steel or Aluzinc; powder coating in a specified colour; laminated or Plastisol finishes.
Vision options	Optional punched and glazed windows; 170 × 45mm.
End locks	Tap-in end locks secured by screws or rivets, supplied in right- and left-hand pairs.
Operation	Stronger and quieter than traditional steel lath, as stated in the source.

Profile & section drawings



Original profile drawings retained for dimensional reference. Confirm final curtain, guide and fixing details against the project drawing.

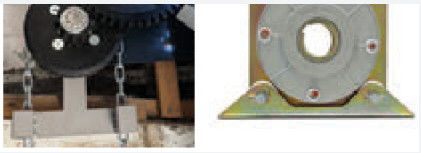
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Select the drive for the duty

Drive selection depends on door size, frequency of use, power availability and mounting space.

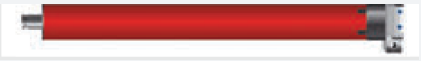
MANUAL CHAIN / LOW USAGE

7-inch, 48-tooth sprocket wheel with 5/8-inch chain. Operated by hand-chain pulley and secured with a chain keep. External safety brake provides anti-fallback protection.



TUBULAR MOTOR / LOW USAGE

Single-phase 240V tubular motor housed within the barrel for a compact design. External safety brake provides anti-fallback protection.



FLANGE MOUNT / LOW TO HIGH USAGE

Chain-driven motor with inboard or outboard mounting, suitable for large industrial shutters where side room is limited. External safety brake. High-speed drives available. Source lists 240V or 450V supply options; confirm the selected motor rating.



DIRECT DRIVE / MEDIUM TO HIGH USAGE

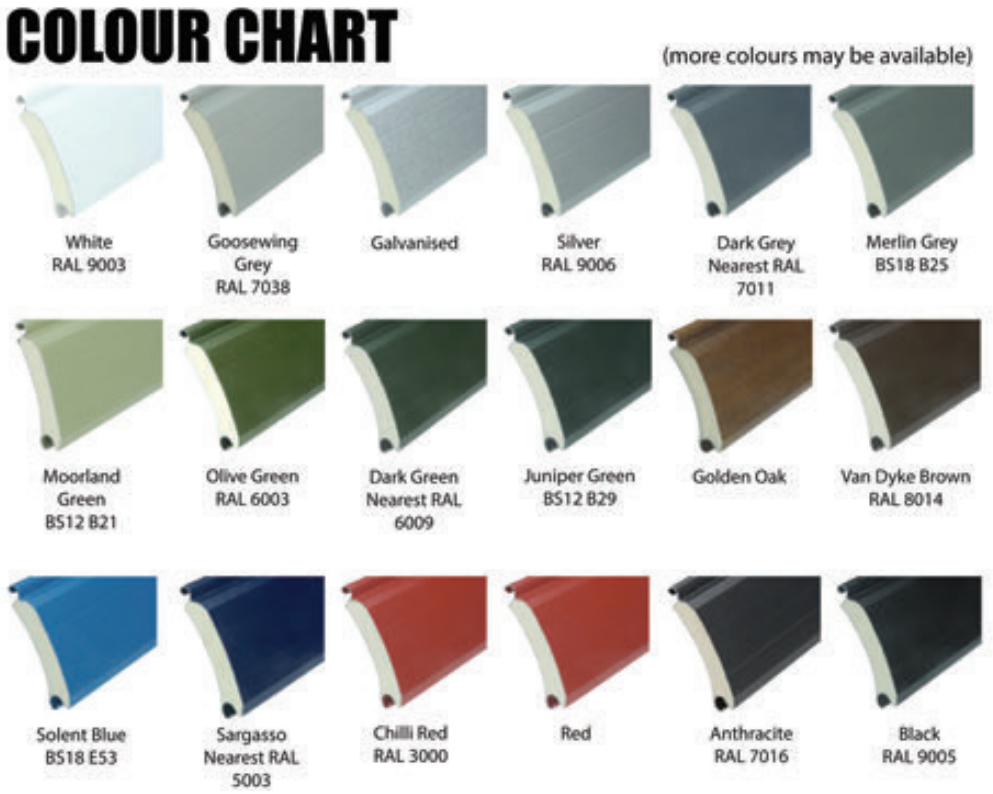
Motor slides onto the barrel shaft outside the end plate, with an integrated anti-fallback system. High-speed drives available. Source lists 240V or 450V supply options; confirm the selected motor rating.



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Finishes to suit the opening

Standard galvanised steel, full polyester powder coating in a standard RAL colour, or Plastisol-coated lath. Further colours may be available; confirm finish and colour availability with quotation.



Original Plastisol colour chart. Screen and print reproduction are indicative; confirm the finish against a physical sample.



Tap-in end locks



Glazed vision window



Curved insulated lath

Windows can run across the lath or be positioned to suit the customer's requirements. Standard window dimensions: 170 × 45mm. End locks are supplied in right- and left-hand pairs and secured with screws or rivets.

To quote: opening width and height, headroom and side room, duty / usage, drive and power supply, controls and safety requirements, finish, windows, site photographs and postcode.

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