



DOORTEK
SOLUTIONS

INSULATED ROLLER SHUTTER DOORS

Where heat loss is a primary concern an insulated shutter is the obvious choice, Doortek Solutions offer two exceptional choices.

OPTION 1 - 3" FOAM FILLED INSULATED LATH

Incredibly strong, compressed foam and shear resistant doors with huge energy saving efficiency, the foam filled insulated lath is a double skin profile roll-formed from a single steel section featuring a hot injection polyurethane central core. This infill bonds to the internal face of the section providing strength, rigidity and of course excellent thermal and acoustic properties, making this roller shutter ideal for both industrial applications, such as warehousing distribution centres and domestic use, typically automated garage doors.

Profile Specification

A short throw reinforced quirk interlocks each profile, creating continuous door curtain that always runs smoothly and squarely within the guide channel, thanks to pop riveted heavy duty end locks. Reinforced wind lock anchors (optional) ensure excellent performance up to 1250 Pascals required for Level 5 wind loading tests.



Doortek Solutions

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INSULATH®

Greater thermal and acoustic performance than conventional roller doors.

INSULATH® addresses the heat loss issues associated with conventional roller doors. Featuring an insulation in-fill designed to easily slide into the interlocking twin wall construction of the lath, INSULATH® helps stabilise interior temperatures, keeping them at a constant warm or cool, irrespective of external weather conditions.

The ideal shutter door solution for all locations and seasons, INSULATH® also brings energy efficiency benefits, minimising heat loss and lowering energy usage and bills.

Noise escape and ingress are minimised since INSULATH® doors have an acoustic value of 18dB(A).

INSULATH® will also wrap around a 127mm (5") barrel when used with INSULATH® Barrel Lath and our design ensures that the Barrel Wrap dimensions are appreciably reduced.

INSULATH® Features

- Thermal value of 1.3W/m²k
- Acoustic value of 18dB(A)
- CFC-infill
- Non handed end locks
- Galvanised bottom seal system

Why INSULATH®?

- Available in a range of finishes including galvanised, plastisol, aluminium and stainless steel
- Punched vision panels also available
- INSULATH® door component assemblies have been tested to the relevant BS EN standards in line with CE mark requirements
- Statements of performance endorsed by UKAS accredited body

Effective and Ecologically Sound

Due to the high density, closed cell nature of the hot bonded insulating core, thermal conductivity or heat transfer through convection is minimal, making our insulated lath doors highly efficient as an insulator. It's 'green' credentials are equally impressive:

- CFC free and ODP zero
- Low Global Warming Potential of 3
- Low thermal conductivity means lower greenhouse gas emissions and reduced energy bills

Technical Data

- Certified to withstand Class 5 Wind Loading at 7000mm wide for steel
- Steel profile sections are thermally assessed to a 'U' Value of 2.4 W m².k and R Value 0.42m².k/W
- Curtain weight 10.6Kg per sq/m.
- Max recommended door dimensions 42 sq/m with 6000mm opening height
- Quirk evaluation pass at 7 metres high

Foam Filled Insulated Lath Doors features and benefits

- Heavy duty base rubber seal and carrier
- 37% lighter than Insulath
- Wraps around 4" tube as conventional lath; same dimensions as 3" traditional lath
- Labour saving: - No slide together - No polystyrene insert
- Available in pre-galvanised (suitable for powder coating) or pre-colour coated



RAF Wittering, Insulated Roller Shutters using ATEX certified motors.