



Meter Box Replacement Door and Frame Units

PREVENTING THE TRANSMISSION OF FIRE-GENERATED FUMES VIA INTERNAL METER BOXES IN TOWER BLOCKS

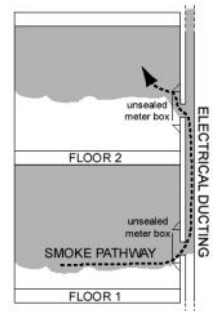


The Spread of Fire and Fumes in Tower Blocks

The terrible consequences of the fire in Lakanal House, Camberwell in July 2009, again highlighted the need to compartmentalise buildings to slow the spread of fire, smoke and fumes. This is normally achieved with self-closing fire doors, fire breaks in ceiling voids etc.

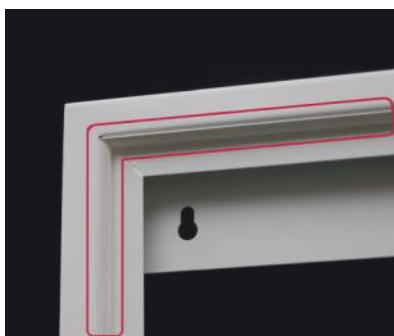
The Role of Electrical Ducting

Following the Lakanal fire, Hyde Homes in Southwark carried out in-depth fire assessments, as instructed by the London Fire Brigade. This identified cable ducts as another potential pathway within tower blocks, transmitting fumes and smoke between the inhabited areas of the building through internal meter boxes.



The Solution

Hyde Homes and their maintenance providers, RWC Contractors, needed to find a solution. Ray Wallis at RWC naturally came to Ritherdons, with our well-established range of replacement door and frame units for repairing meter boxes (first designed by us over 30 years ago). Together we have come up with a fast, secure solution to sealing existing meter boxes against smoke and fumes, based upon our R10 unit.



The Ritherdon Sealed Meter Box Door and Frame

- Includes an intumescent strip (highlighted in red) between door and frame which swells when heated, to seal the meter box (and ducting) in the event of a fire.
- Manufactured from stainless steel for greater resistance than plastic or aluminium to melting or buckling during a fire.
- Keyhole-shaped fixing points (pictured left) concealed when the door is closed.

Design Versatility

While the door and frame units designed for RWC and Hyde Homes are based on our wall-mounted R10 units, we can also provide sealed versions of our box-mounted units, which fix directly to the inside of the existing meter box.



For more information please contact Joe or Katie in Sales

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