



hansen door specialists

Uniclass	EPIC	
L41124:P41	D1124:X41	
CI/SfB		
(31.5)	Xh2	(P2)

AccentHansen

Also available:

SwingShield 90™

MultiShield - CleanShield - FireShield - SoundShield - SecureShield - GlazeShield FL

AccentHansens' unique SwingShield Fire Door Series 90 (Integrity) doorsets are designed to provide the requisite fire performance with high aesthetic qualities. SwingShield doors offer certified fire protection in double swing and single swing applications with smoke control. All AccentHansen Fire Doors have been tested to BS 476: Part 22: 1987 (integrity only). A UKAS accredited laboratory undertakes all tests and assessments.

Door Leaf

Constructed from two skins of 1.2mm thick zinc coated steel to BS EN 10152, folded to form a 46mm thick door leaf. The vertical edges of the two skins are pressed to create a modular Twin Tray Construction with EdgeShield full height, seam assembly, which increases panel strength and rigidity.

A deep horizontal channel is located within the leaf, spot-welded to the inner and outer skins, prior to fitting of a capping channel closer. This combination is applied to the top and bottom to produce the flush edged door leaf.

The combination of the deep channel and capping channel closer effectively creates a horizontal bar reinforcing member at the top and bottom of the door leaf, for maximum end strength and rigidity.

The void between the two skins is filled with a Bonded Honeycomb core material (PulpShield "B"), selected for its compression/torsion load performance. Reinforcing pads are fitted within the leaf, to suit hardware options.

The door leaf is further reinforced by localised steel reinforcements, and to avoid the possibility of infill materials interfering with the pivot system, the hinge pivots are installed within inner enclosures. This also facilitates its removal for future maintenance or replacement. The finished floor surface must be prepared by others to accept the hinge pivot boxes.

A special "Bull Nose" capping section profile is fitted to the vertical edges of all the door leaf. This capping section carries an intumescent smoke seal to ensure positive sealing.

Frame

The vertical frame jambs are profiled to from 1.6mm thick zinc coated steel to BS EN 10152 forming a special double action frame profile. Header members are also profiled from 1.6mm thick zinc coated steel to BS EN 10152.

- Cleats are welded into the ends of the vertical frame jambs to allow bolt-connection to the header member forming the Butt Jointed Passing condition
- Assembled frames are arranged for bolt fixing to a suitable structure, using the Tight Shield assembly system
- Cold smoke control to BS 476 Part 31.1 is provided by the integral intumescent smoke seal fitted into the leaf edge

Finish

Powder Coated Paint Finish

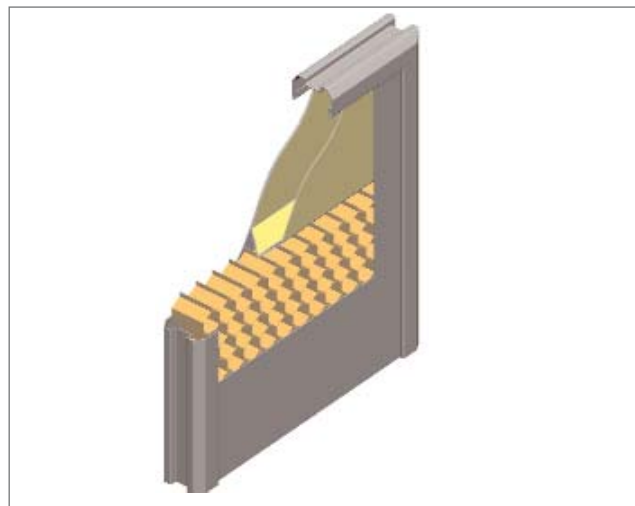
All AccentHansen doors are finished with a standard APP 120 powder coat finish with a 5 year warranty* and a design life expectancy of 12 years making it one of the most durable finishes on the market.

Our range of Powder Coatings are organic coatings that need to be cleaned and maintained regularly to ensure that the decorative and protective

properties of the coating are retained. This paint finish system has been designed to give enhanced corrosion protection of mild steel and has been extensively tested against ISO 9227, GME 60203 and ISO 12944 and can be supplied to any standard BS 4800 or RAL reference number.

Note: colours which are only available in a metallic finish will incur an additional surcharge.

* Doors which are fitted in a marine or costal area could require the standard specification to be upgraded. This will also have an effect on the warranty of our products.



Twin Tray construction increases panel strength and rigidity

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SwingShield Doors - Technical Specification

To speak to our Technical Advisory Service call 0845 070 5224.

AccentHansen

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AccentHansen Ltd reserves the right to improve, update, and modify products and services without prior notice.

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Approved to EN1363:2008