



hansen door specialists

Uniclass	EPIC	
L41124:P41	D1124:X412	
CI/SfB		
(31.5)	Xh2	(P2)

AccentHansen

Also available:

## SecureShield™ 1 Doorset

SwingShield - CleanShield - FireShield - SoundShield - MultiShield - GlazeShield FL

AccentHansen SecureShield 1 doorsets combine sound engineering and visual appeal to provide a industry leading enhanced security product. SecureShield 1 is available in single and double door configurations with many hardware and vision options, in primed and factory finished painted conditions. Available in Zintec and Stainless Steel, Fire rating up to 120 minutes.

### Door Leaf

Constructed from two skins of 1.6mm 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 together 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 of the door 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 (Pulp Shield 'A') selected for its compression/torsion load performance. Reinforcing pads are fitted within the leaf, to suit hardware options.

Captive, floating hinge-mounting plates further reinforce the hinging edge and the lock mechanism is installed within an inner enclosure. This prevents the possibility of infill materials interfering with the lock mechanism, and also facilitates its removal for future maintenance or replacement.

For enhanced security on single and double doors, a 'T'-section astragal is fitted to the leading edge of one leaf, which also creates an anti-jemmy feature. This can be complemented by the internal astragal when full weather seals are to be applied.

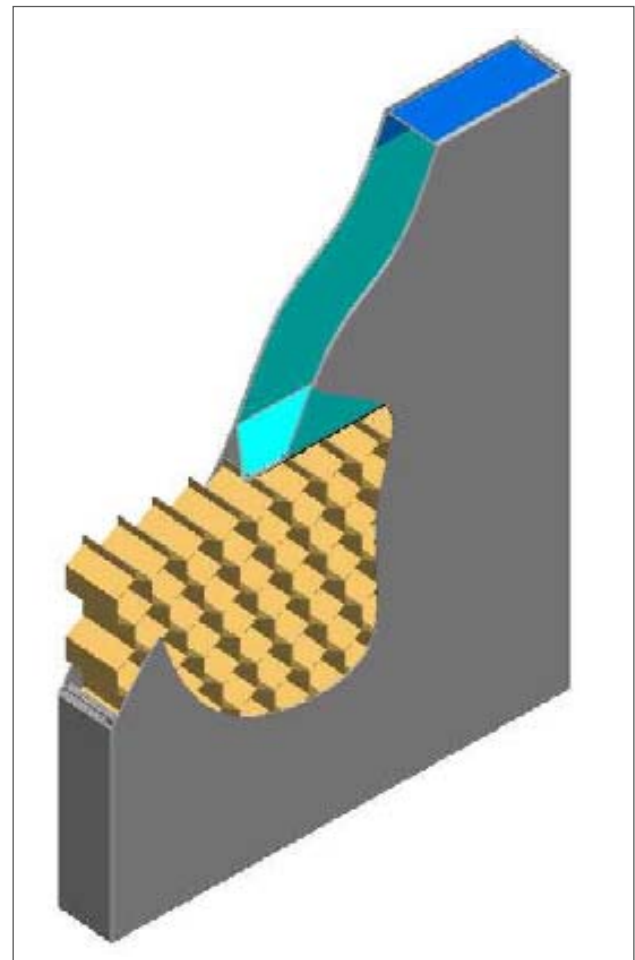
### Frame

Pressed from 1.6mm thick zinc coated steel to BS EN 10152, to form a single or double rebate profile to BS 1245: 1986.

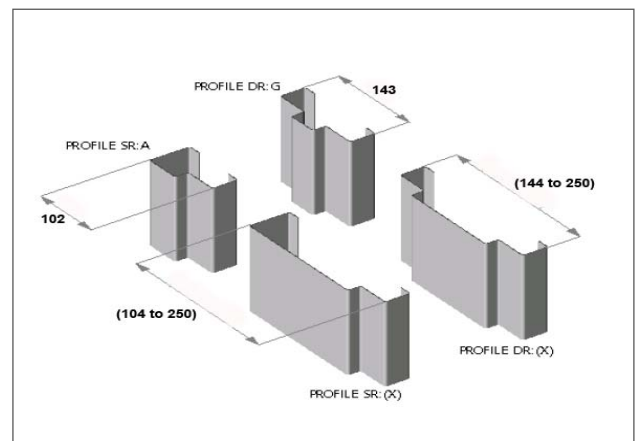
- Header members are profiled to form a butt joint with the full height vertical jambs
- Fully welded frames are available as special options for extra security
- Cleats are spot welded into the ends of the header to allow bolt-connection to the vertical jambs that are then reinforced suitably at all hinge points

Where weather control is a requirement of the doorset, a self-adhesive tubular neoprene compression seal is fitted into the doorframe rebate on factory-finished doorsets, or supplied for on-site fitting by others on unfinished or factory primed doorsets.

Frames are arranged for bolt fixing to a suitable sub-strate structure, using the TightShield assembly system.



Twin Tray Construction Variable frame Profiles available: SR:(X) and DR:(X)



Standard Profiles: SR: A and SR: G



## SecureShield™ 1 Doorset

### 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 coastal area could require the standard specification to be upgraded. This will also have an effect on the warranty of our products.

#### Hinges

Hinges are supplied in accordance with BS 7352: 1990: Class 9 (pr EN 1935: Grade 14) based on the physical leaf size, leaf weight and additional equipment fitted to the door. For enhanced security, 'dog-bolt' hinges are supplied as standard, so that if the knuckle of a hinge is removed, the door cannot be removed from the frame.

#### Vision Panels

A range of vision panel sizes are available. For further information on any specific requirements, please call our Technical Advisory Service.

#### Sill Details

The MultiShield doorset can be specified with a variety of sill details. For further information on any specific requirements, please call our Technical Advisory Service.

#### Transom Panel

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

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

A capping channel closer is welded at top and bottom to produce a flush edged transom panel.

The void between the two skins is filled with a Bonded Honeycomb core material (Pulp Shield "A"), selected for its compression/torsion load performance.

Transom panels can be supplied in the following configurations:

- Factory fixed and sealed to be an intrinsic part of the frame assembly
- Fully detachable for on-site removal in high maintenance areas. Supplied with dual self-adhesive neoprene weather seals on external door applications, to the following variants:
  - a) Internally fixed with a visible angle frame and self-tapping screws
  - b) Externally fixed with AccentHansens' high load steel peg and steel rack bolt system
  - c) Side hinged creating a 4-door leaf application, with hinged edge reinforced by captive, floating hinge-mounting plates

On standard transom panels it is recommended to incorporate a transom rail pressed from 1.6mm thick Zintec coated steel to BS EN 10152, forming a profile co-ordinating with the main frame profile. This rail can be supplied either fixed or removable on the internal, secure side of the building.

On vertically hinged double transom panels or specifications requiring no transom rail AccentHansen's surface mounted transom panel bolting system may be required depending on physical size of assembly and conditions of use. The system is leaf mounted and thus swings with the door as it opens. In the closed position it appears as a transom rail on the internal elevation of the door assembly.

On double transom panels, a 'T'-astragal is fitted to the leading edge of one leaf. If full weather seals are to be applied an additional internal astragal is fitted to maintain the sealing plane.

#### Ask about our FastTrack™ Service

AccentHansen FastTrack™ doorsets combine sound engineering and visual appeal to provide a industry leading product but in a shorter delivery period. FastTrack is available in a wide range of sizes with single and double door configurations, various hardware, vision and ventilation options with a painted finish as standard.

#### 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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