



hansen door specialists

Uniclass	EPIC
L41101:P41	D1111:X412
CI/SfB	
(31.5)	Xh2

AccentHansen

Also available:

CleanShield™ 30-60 (CS1)

MultiShield - SwingShield - FireShield - SoundShield - SecureShield - GlazeShield FL

AccentHansen CleanShield doorsets are designed to meet the demanding requirements of hospital and laboratory cleanrooms and food preparation and processing environments. CleanShield classifications range from basic food preparation, in special finish and stainless steel, to class M5 for pharmaceutical and electronic applications. CleanShield insulation can be provided as low as 0.45 w/m/ C. Fire rating up to 120 minutes. 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 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 filled with a Bonded Honeycomb core material (Pulp Shield "B"), selected for its compression/torsion load performance and fire resistant properties. Reinforcing pads are fitted within the leaf, to suit hardware options.

Captive, floating hinge-mounting plates further reinforces 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. All seams and panel joints are factory sealed with proprietary mastic with joints wiped clean to provide a sound seal. For more aggressive clean room specifications the lock and hinges are fitted into mastic sealed enclosures within the leaf.

For added security, on double doors, a 'T'-section astragal is fitted to the leading edge of one leaf. If the doorset is designated as a smoke control door or weather seals are to be applied an additional internal astragal may be fitted to maintain the sealing plane.

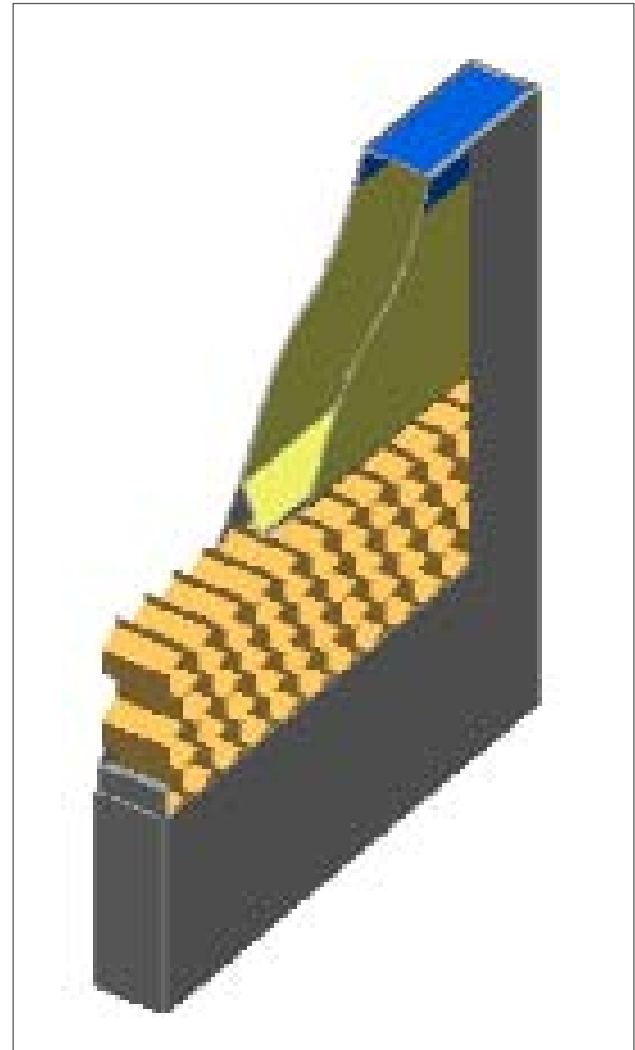
Frame

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

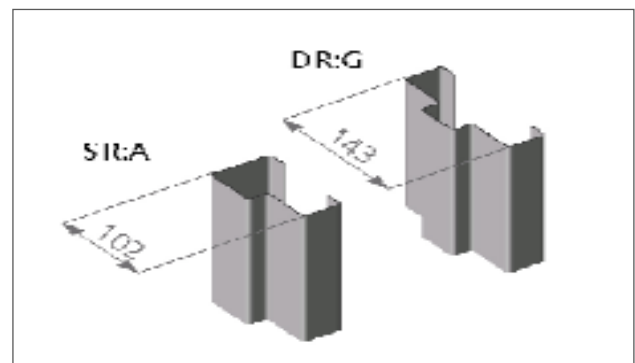
- Header members are profiled to form a butt joint with the full height vertical jambs
- Mitred frames or fully welded frames are available as special options
- Cleats are spot welded into the ends of the header to allow bolt-connection to the vertical jambs that are then suitably reinforced at all hinge points
- For more aggressive clean room specifications the lock strikes and hinges are fitted into mastic sealed enclosures within the frame.

Where cold smoke control to BS 476 Part 31.1 or weather control is a requirement of the doorset a self adhesive tubular neoprene compression seal is fitted into the door frame rebate on factory finished doorsets.

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



Twin Tray construction increases panel strength and rigidity



Standard Profiles 'A' and 'G'



CleanShield™ 30-60 (CS1)

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.

Vision Panels

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

Sill Details

The CleanShield™ doorset can be specified with a variety of sill details. For further information on any specific requirements, please call our sales team.

Door Seals For Weather Control

Weather, draught and smoke control sealing is achieved using a self-adhesive tubular neoprene compression, which is fitted into the doorframe rebate and along the central meeting stile for double doors. On factory top coated doorsets the seal is applied after the painting process. On unfinished or factory-primed doorsets the seal is supplied loose for on-site fitting.

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

Astragals

Astragals are manufactured from 1.2mm thick zinc coated steel to BS EN 10152, folded to form either a 'T' or an 'L' section. 'T'-section Astragals are fitted to the pull face on the leading edge of the first opening leaf with the 'L'-section fitted to the push face on the trailing leaf

'T'-section Astragal provides the following enhancements to door design:

- Additional security on single leaf doorsets by hiding the latch or lockbolt
- Smoke control on double leaf doorsets, when combined with the appropriate smoke seal and 'L'-section astragal
- Added weather and draught protection on both single and double door leafs when combined with the appropriate weather seal and 'L'-section astragal

'L'-section Astragal provides the following enhancements to door design:

- An additional surface to supplement the 'T'-section astragal, thus maintaining the sealing planes for weather and smoke control

Frame Fixings

The type of frame fixing and the fixing centres are dependent on the substrate type and detail in to which the doorset assembly is to be fitted. Only designated fire retardant fixings should be used.

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

AccentHansen Limited
Greengate Industrial Park, Greenside Way
Middleton M24 1SW UNITED KINGDOM
Tel: +44 (0) 161 284 4100 Fax: +44 (0) 161 655 3119
E-mail: sales@accenthansen.co.uk
Web: www.accenthansen.co.uk

AccentHansen is part of the Hansen Group

For more information on the Hansen Group:
Email: info@hansengroup.co.uk
Web: www.hansengroup.biz

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

Datasheet No: CS30_0709.10



Approved to EN1601:2008