

GE DOOR
MANUFACTURING

FORMDOR

ENCAPSULATED DOORS



OUR COMPANY



Who are we

GE Door Manufacturing has extensive manufacturing capacity through its 85,000 sq ft modern facility in South Wales. Our doorsets are manufactured by us giving us total control of quality and compliance.

We provide doorsets, screens and ironmongery to the Education, Health, Commercial, and Residential sectors. We are continually developing our offering to the market and are at the fore front of the industry developing innovations such as X-ray protection, sound reduction, and high impact PVC protection doors.

We offer the most comprehensive fire certification available. In addition to our own primary fire test evidence covering doorsets and integrated ironmongery, we have third party test evidence provided by BM TRADA Q mark scheme.

Our doors and frames are manufactured by us in the same factory giving us better control over quality and lead time. You will be dealing with dedicated, straightforward, and reliable people that put our customers at the centre of everything we do.

Support

We have expert technical support and a full NBS based specification and design service, supported by our national network of technical account managers.

Award Winning

We have been recognised within our industry and won awards for Quality, Service and Health & Safety.

On-site Storage Facility

We understand that site conditions and programmes can change, in this event we are able to store your doorsets in our temperature control facility at no extra cost. We can hold up to 3000 doorsets in the ideal conditions, offering our customers piece of mind that the doorsets are ready to be delivered when required.

In-house FORS Deliveries

We have our own fleet of transport dedicated to our customer's needs, delivering products throughout the UK.

Sustainability

Timber-based waste is recycled on site utilising our in-house biomass system. We have developed an environmental management system in accordance with BS EN 14001:2004. GE Door manufacturing is a timber-based manufacturing company and has developed and implemented / PEFC chain of custody systems.

Manufacturing Capacity

We believe we have the best of both worlds, combining experienced traditional craftsmanship with the latest manufacturing technology, allowing us to produce high quality products efficiently and safely. We continue to invest in our people and manufacturing technology to ensure we are ahead of our customers needs delivering high quality made to order doorsets on time.

OUR TEAM



The development of our business is down to the skill, expertise, integrity, and commitment of our colleagues.

Wherever possible we support, develop, and promote from within the business, to ensure all our staff have the opportunity to reach their full potential, and we are incredibly proud of our staff retention record.

To complement our local talent, we have also recruited the best people from a wide range of sectors and experiences to ensure we continue to embrace change ensuring we are at the forefront of our industry and challenging the status quo. We also believe a diverse and inclusive business is better for our customers and creates the best environment to work and thrive within. Over recent years we have tripled the number of women working for us. In addition to this, we are actively engaged with schools, colleges and universities, providing training, careers and experience opportunities for people from all backgrounds.

Health Experience

GE Door manufacturing have been supplying doorsets to the health sector for over 20 years. We have built up a wealth of experience and knowledge so we can provide different specifications to fit the environment and performance required. The launch of Formdor means we can now offer a full PVC encapsulated doorset that will complement our existing health care range.



ProCure23 (P23) is the fourth generation of NHS England's route to market for the provision of design and construction services to NHS capital projects. Following an extensive evaluation by the Procure 23 Internal Door Sets category component group: GE Door Manufacturing was successful in being awarded a position on the recommended list of suppliers for both Mental Health & Acute Health door sets on the Procure23 Framework for the NHS.



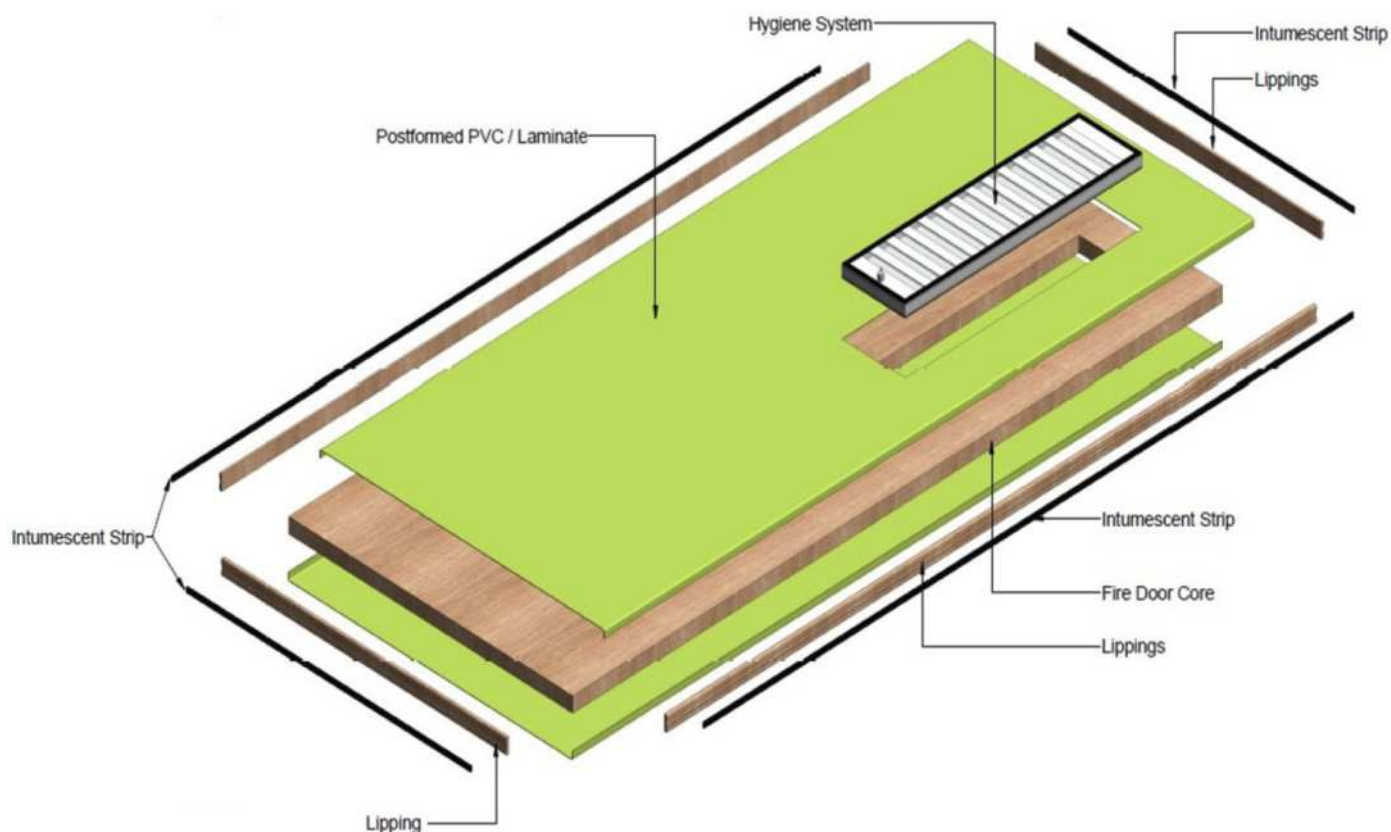
	New Build	Refurbishment	Acute Single Bedroom	Acute 4-Bed Multi-bed Bay	Outpatients/consult room	Functional Mental health bedroom	Organic mental health bedroom	Urgent and Emergency department rooms
GE DoorSet Packages, Internal	●	●	✓	✓	✓	✓	✓	✓

WHAT ARE ENCAPSULATED DOORS

Our Formdor Range utilises a post formed edge detail which conceals the hardwood lipping. Doors are fully encapsulated to provide high impact protection, hygiene and maintenance free with 3mm Radii post formed edges for PVC. The impervious surface is resistant to most chemicals and staining and helps minimize scrapes and scuffs in high traffic areas

We can also offer an alternative PVC free recyclable material that gives a more contemporary look whilst still maintaining the ability to hide scrapes and scuffs.

Need more information; [Click here.](#)



TECHNICAL ASPECTS

Third Party Fire Conformity Scheme

All GE Door Manufacturing doorsets are manufactured under the BM TRADA Q mark independent product conformity scheme.

Environment

Formaldehyde release rating under the E1 class standard according to BS EN 13986 (2004).

Fire Rating Options

NFR - Non Fire Rated.

FD30 - 30 Minute Fire Resistance.

FD30s - 30 Minute Fire and Smoke Resistance.

FD60 - 60 Minute Fire Resistance.

FD60s - 60 Minute Fire and Smoke Resistance.



Memberships



Certification

Fire & Smoke

Trada Q mark third party conformity scheme.

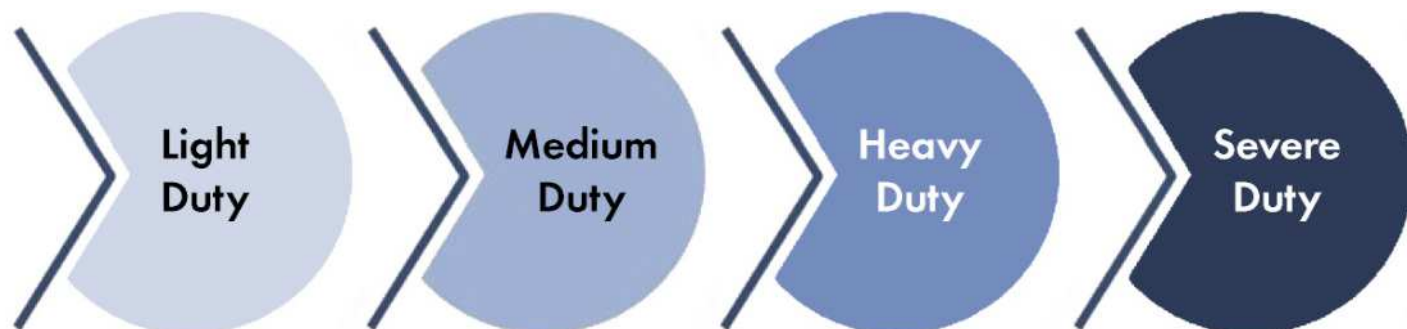
Environmental Certification

FSC & PEFC Full chain of custody.

Accreditations

ISO 9001 (Check other new code)
ISO 14001
OHSAS 18001

DURABILITY



Low frequency of use by those with a high incentive to exercise care

Small chance of accidents occurring through misuse.

Medium frequency of use primarily by those with a high incentive to exercise care

Small chance of accidents occurring through misuse.

High frequency of use by public and others with little incentive to exercise care

Chance of accidents occurring through misuse.

Subject to frequent or violent usage.



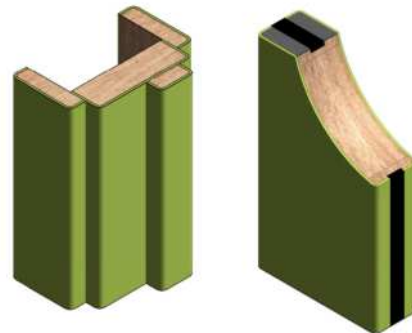
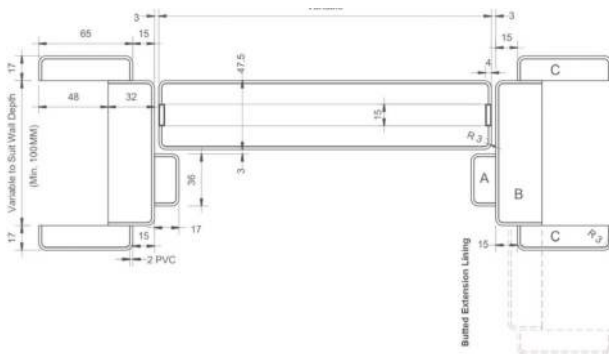
Various documents, including BS 8214, stress the importance of specifying the appropriate classification of doors to ensure long-term performance under anticipated uses. These classifications are best derived from tests described in BS DD 171 : 1987, 'Guide to specifying performance requirements for hinged or pivoted doors'. Our doors have been tested to severe duty which is the highest standard possible.

FRAME DETAILS



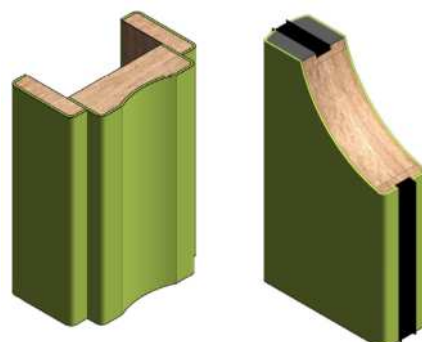
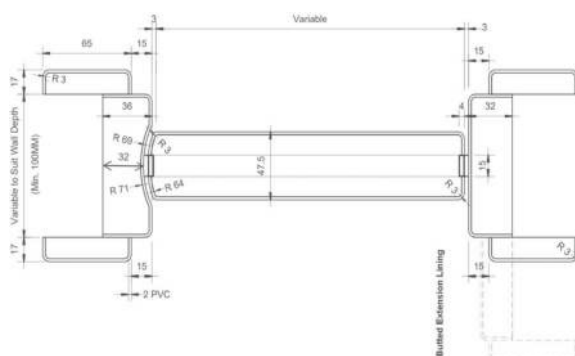
NFR / FD30 - Classic

Comprised of a separate door stop architrave.



FD30 - Double Swing

Comprised of separate architrave.

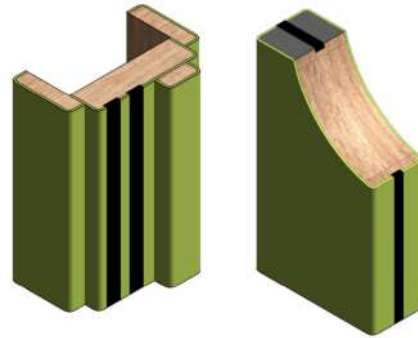
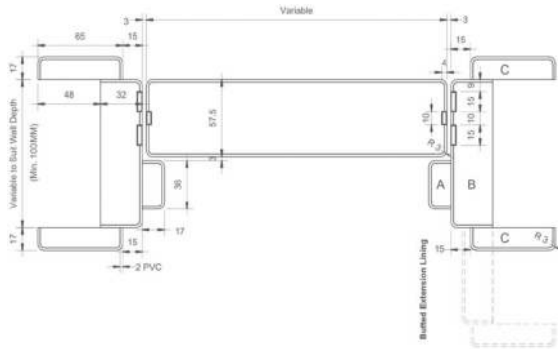


Click on details to enlarge.

FRAME DETAILS

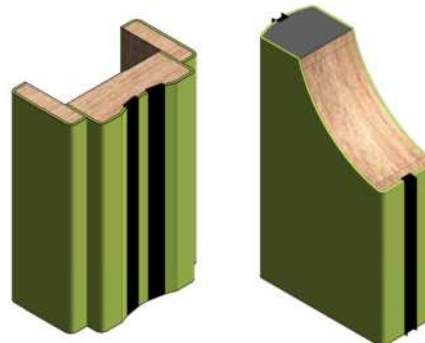
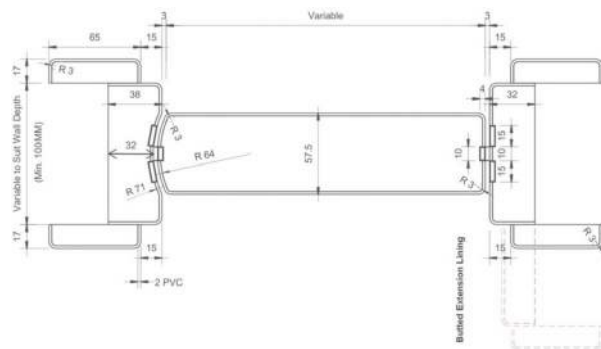
FD60 - Classic

Compromises of separate door stop and architrave, with 2no 15x4mm seals.



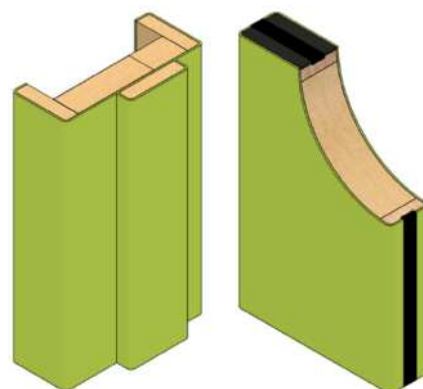
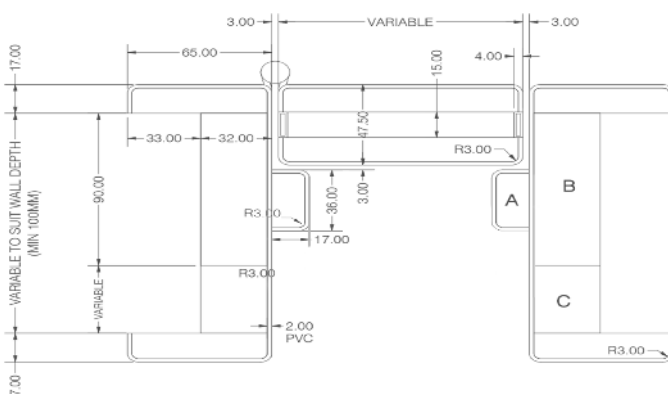
FD60 - Double Swing

Comprised of separate architrave, with 2no 15x4mm seals.



Integral Architrave Split Frame - Non-Fire Rated

We would not recommend using the integral Architrave Lining on any fire rated doorset, as you cannot adequately ensure the fire stopping behind the lining meets the required standard.



Click on details to enlarge.

DESIGN CONSIDERATIONS

... in just 5 Steps

1 - Size & Configuration

2 - Texture & Colour

3 - Vision Panel

4 - Options

- Over panels.
- Hardware
- Ironmongery

We take into consideration the key elements of fire door design (i.e. w size, configuration, glass and hardware to ensure you receive the correct fire door for your needs.

DOOR LEAF SIZES

Based on 3rd party accreditation, these are our standard door leaf sizes available in a range of configurations and fire ratings.

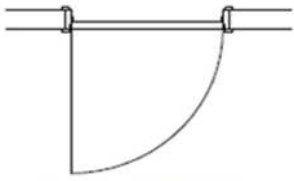
Widest and tallest options are available as the width of a door can restrict the height and the height of the door can restrict the width so maximum sizes are noted for both.

If doors are required outside of our standard scope. Please speak to GE Doors.

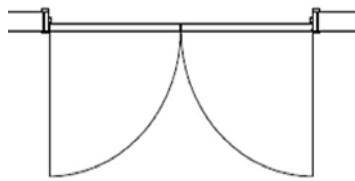
	Configuration	Thickness	Max Height	Associated Width	Max Width	Associated Height
NFR/FD30	LSASD	44/54	2851	1005	1306	2205
	ULSASD	44/54	2801	1005	1281	2205
	DASD	54	2801	1005	1281	2205
	LSADD	44	2751	1005	1256	2205
	LSADD	54	2751	1005	1256	2205
	ULSADD	44/54	2701	1005	1231	2205
	DADD	54	2701	1005	1231	2205

	Configuration	Thickness	Max Height	Associated Width	Max Width	Associated Height
FD60	LSASD	54	2319	900	1005	2100
	ULSASD	54	2269	900	980	2100
	DASD	54	2269	900	980	2100
	LSADD	54	2219	900	955	2200
	ULSADD	54	2269	900	930	2200
	DADD	54	2269	900	930	2200

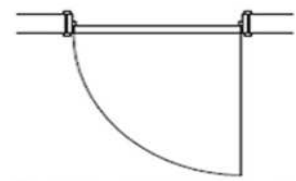
STANDARD DOOR HANDING



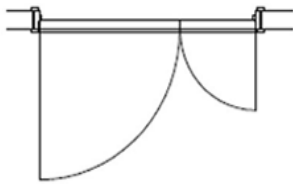
Left Hand
Clockwise



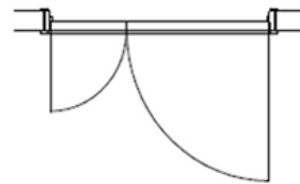
Equal Pair



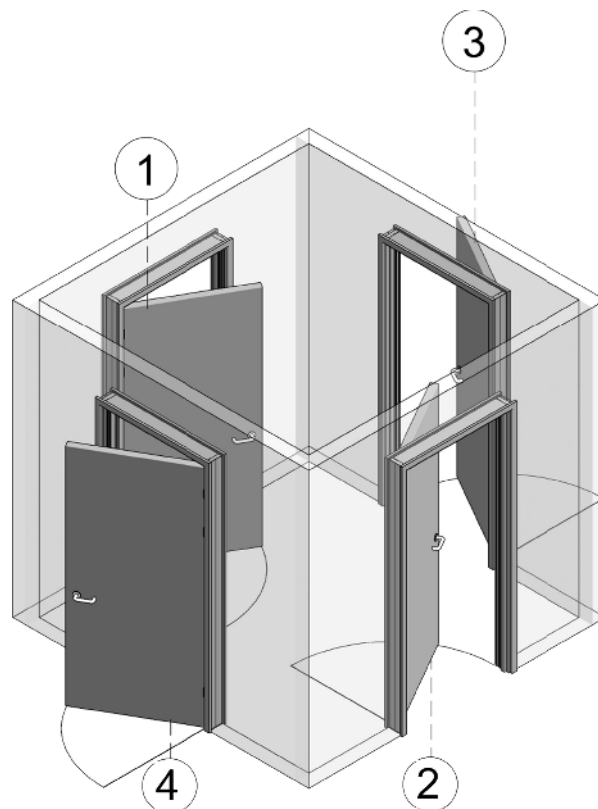
Right Hand
Anti-Clockwise



Large Leaf Left Hand
Clockwise



Large Leaf Right Hand
Anti-Clockwise



1 - Left hand inward opening.

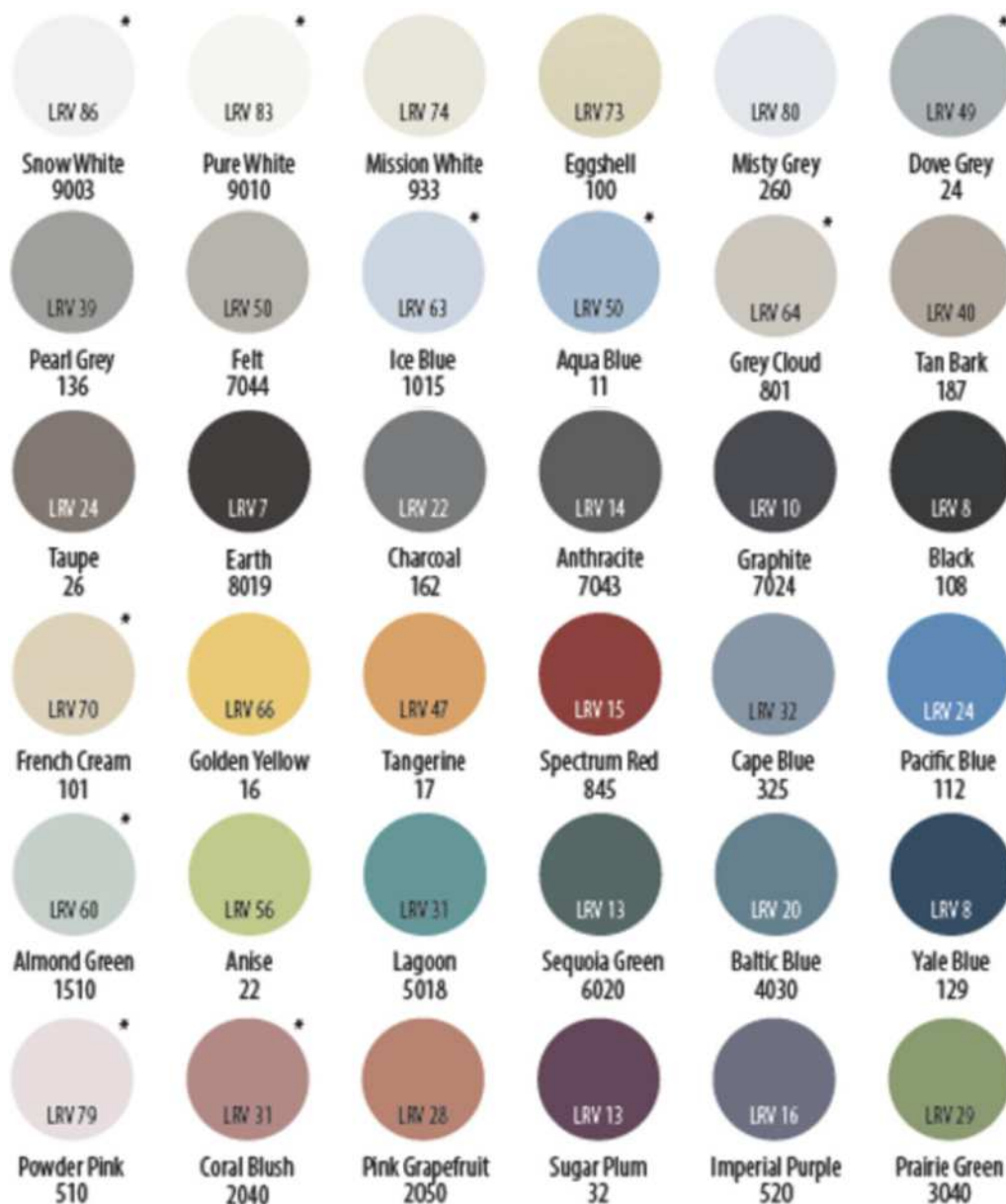
3 - Left hand outward opening.

2 - Right hand inward opening.

4 - Right hand outward opening.

FACING & COLOUR OPTIONS

CS Acrovyn® has been used in healthcare facilities across the UK for 50 years. Renowned for its durability, impact resistance and ease of maintenance, Acrovyn helps to extend the life cycle of the building fabric, reduce maintenance costs and is suitable for hygiene sensitive environments.



Indicates colours available in 2mm Acrovyn smooth sheet

GE Stock a range of colours to meet the needs of our clients and sectors. All our PVC doors come with a 2mm PVC encapsulation, and we offer:

- 36 Colours in textured,
- 12 Colours in Smooth
- 12 Colours in Decorative finish.

Acrovyn is our preferred supplier of PVC but, we are able to work with other suppliers upon request.



Available in 2mm Acrovyn smooth sheet

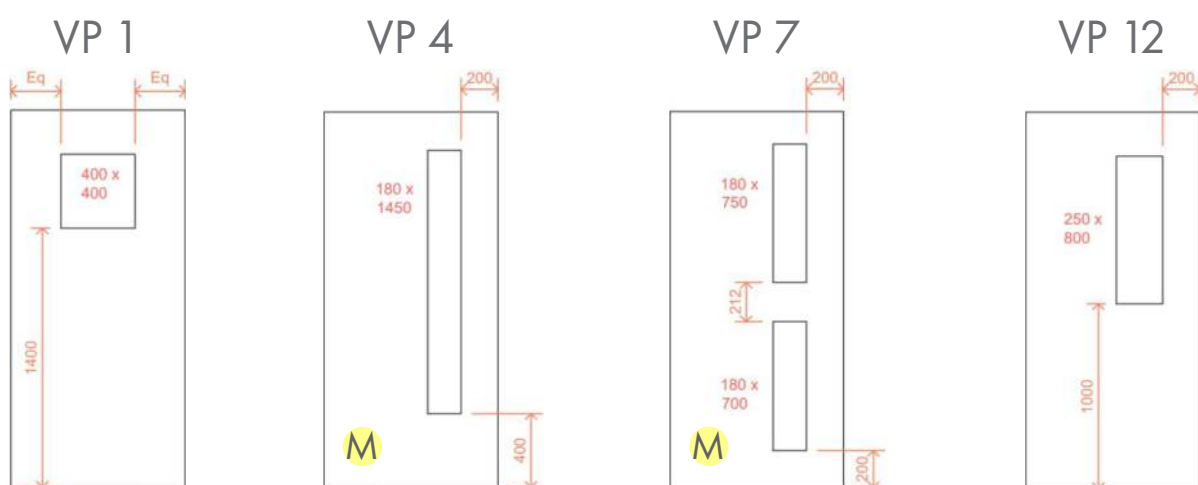


VISION PANELS

GE Doors offers a variety of Vision Panels to suit all applications. Vision Panels are factory fitted in a Factory controlled environment under ISO 9001, 14001

The following configurations are available in NFR/ FD30/FD60 .

Those highlighted with "M" comply with the building regulations approved Document Part M (BS8300)- Minimum Zones or visibility, and the Equality Act (EA) 2010.



Click on details to enlarge.

Glazing Table

	Non Fire Rated				FD30				FD60			
GLASS TYPE	VP1	VP4	VP7	VP12	VP1	VP4	VP7	VP12	VP1	VP4	VP7	VP12
FLUSH VIEW	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
INTAVISTA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
VISTAMATIC	Y	Y	Y	Y	Y	Y	Y	Y	N/A			
PVC FLUSH BEAD	Y	Y	Y	Y	Y	Y	Y	Y	N/A			
PVC BOLECTION BEAD	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

FlushView



FlushView vision panels are specifically designed to be a fully sealed, fully tested internal glazed unit that meets the demands of the modern, multi-functional operating theatre or research laboratory. Once installed, the Flush View panels form a crevice-free, watertight seal to the door facing, thus allowing the door surfaces to be thoroughly cleaned using the harshest of decontamination regimes.

Need more information? [Click here to view FlushView brochure.](#)

IntaVista (Integral Blinds)



IntaVista has been meticulously engineered using select components to provide smooth, trouble-free operation in the toughest of environments. The IntaVista is known for outstanding reliability, build quality and flexibility of specification. Flush Fit panels are manufactured to match the thickness of the door, thereby leaving the outer panes flush with both door faces. The ledge and crevice-free finish is also water-tight, rendering it resistant to the harshest of cleaning regimes.

Need more information? [Click here to view IntaVista brochure.](#)

Over Panels

Solid Over panels can be added to any doorset configuration in NFR , FD30 and FD60.

Solid Over panels can be in the same colour and texture as the doorset frame or a contrasting colour is available and can be selected from our standard range on page 14.

IRONMONGERY

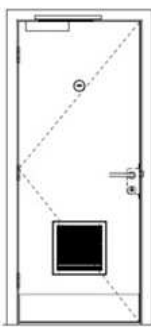
Our integrated ironmongery and doorsets offer our clients the most comprehensive certification possible. It gives piece of mind that all components have been tested, and certified to work together.

Our in house qualified architectural ironmongers will design, estimate, and schedule your requirements in conjunction with the doorsets team. We are full members of the guild of architectural ironmongers and have fully qualified colleagues as well as others under going training.

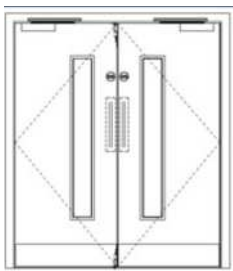
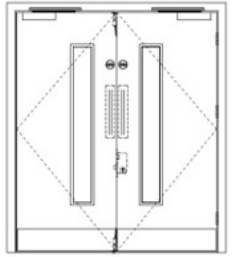
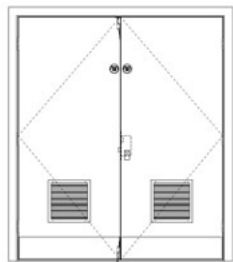
SINGLE DOOR - Single Swing

Handle Type	Closure Type	Locking Option	Elevation	Door Set Type	Set No.	Set Contents
Push Plate 	Slide Arm Closer 	Non locking		Multiple	001	Push Plate, Pull Handle, Slide Arm Closer, Kickplates, Floor Mounted Stop, AFDKC
				Multiple (EMHO)	002	Push Plate, Pull Handle, E-Slide Arm Closer, Kickplates, Floor Mounted Stop, FDKS Signs
				WC Circulation	003	Push Plate, Pull Handle, Slide Arm Closer, Kickplates, Floor Mounted Stop, Unisex Sign
				Male WC Circulation	004	Push Plate, Pull Handle, Slide Arm Closer, Kickplates, Floor Mounted Stop, Male Sign
				Female WC Circulation	005	Push Plate, Pull Handle, Slide Arm Closer, Kickplates, Floor Mounted Stop, Female Sign
Pull Handle and push plate 	Slide Arm Closer 	Deadlock		Multiple	006	Push Plate, Pull handle, Slide Arm Closer, Cylinder, Escutcheon, Dead lock, Floor Mounted Door Stop, Kickplates, FDKS Signs
				Multiple (EMHO)	007	Push Plate, Pull handle, E-Slide Arm Closer, Cylinder, Escutcheon, Dead lock, Floor Mounted Door Stop, Kickplates, FDKS Signs
Cylinder pull 	No closer			Riser Service Duct	008	Dead Lock, Cylinder, Escutcheon, Cylinder Pull, Kickplates, FDKS Signs

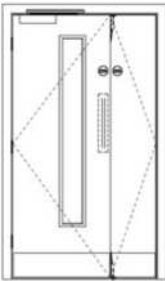
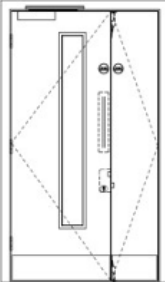
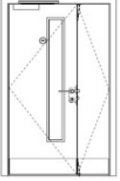
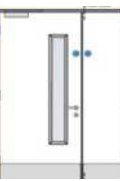
SINGLE DOOR - Single Swing

Handle Type	Closure Type	Locking Option	Elevation	Door Set Type	Set No.	Set Contents
Lever Handle 	No closer	Bath Lock 		WC	040	Lever handles, Bathroom Lock, Ind & Turn, Pivot Hinge, Removeable Door Stop, Floor Mounted Door Stop, Kickplates, Disabled Sign
Lever Handle 	Slide Arm Closer (only if fire rated) 	Bathroom 		WC	011	Lever handles, Slide Arm Closer (included if door is Fire Rated), Bathroom Lock, Ind & Turn, Floor Mounted Door Stop, Kickplates, WC Sign
				Male WC	012	Lever handles, Slide Arm Closer (included if door is Fire Rated), Bathroom Lock, Ind & Turn, Floor Mounted Door Stop, Kickplates, Male sign
				Female WC	013	Lever handles, Slide Arm Closer (included if door is Fire Rated), Bathroom Lock, Ind & Turn, Floor Mounted Door Stop, Kickplates, Female Sign
				Shower	014	Lever handles, Slide Arm Closer (included if door is Fire Rated), Bathroom Lock, Ind & Turn, Floor Mounted Door Stop, Kickplates, Shower Sign
				Dis. WC	015	Lever handles, Bathroom Lock, Ind & Turn, Floor Mounted Door Stop, Kickplates, Disabled Sign
Lever Handle 	Slide Arm Closer (only if fire rated) 	Sashlock 		Multiple	009	Lever handles, Escutcheons, Slide Arm Closer (included if door is Fire Rated), Cylinder, Sashlock, Floor Mounted Door Stop, Kickplates, FDKS Signs
		Latch 		Multiple	010	Lever handles, Slide Arm Closer (included if door is Fire Rated), Latch, Floor Mounted Door Stop, Kickplates, FDKS Signs.

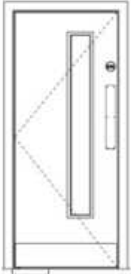
DOUBLE DOOR - Single Swing

Handle Type	Closure Type	Locking Option	Elevation	Door Set Type	Set No.	Set Contents
Pull Handle and Push Plate  	Slide arm closer 	Non locking		Multiple	023	Push Plates, Pull Handles, Arm Closers, Flood Mounted Door Stop, Kick Plates, FDKS Signs
				Multiple (EMHO)	024	Push Plates, Pull Handles, E-Slide Arm Closers, Flood Mounted Door Stop, Kick Plates, AFDKS Signs
		Deadlock		Multiple	025	Push Plates, Pull Handles, Slide Arm Closers, Escutcheons, Cylinder, Deadlock, Flush Bolts, Floor Mounted Door Stop, Kickplates, FDKS Signs
				Multiple (EMHO)	026	Push Plates, Pull Handles, E-Slide Arm Closers, Escutcheons, Cylinder, Deadlock, Flush Bolts, Floor Mounted Door Stop, Kickplates, AFDKC Signs
Cylinder Pull 	No closer	Deadlock		Riser / Service Duct	027	Dead Lock, Cylinder, Escutcheon, Cylinder Pull Flush Bolts, Kickplates, FDKL Signs

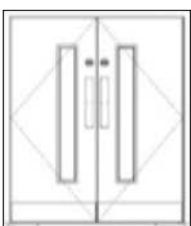
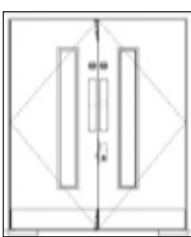
UNEQUAL PAIR - Single Swing

Handle Type	Closure Type	Locking Option	Elevation	Door Set Type	Set No.	Set Contents
Pull Handle and Push Plate  	Slide arm closer 	Non locking		Multiple	016	Push Plate, Pull Handle, Slide Arm Closer, Flush Bolts, Floor Mounted Door Stop, Kickplates, FDKS Signs, FDKL Signs
				Multiple (MMHO)	017	Push Plate, Pull Handle, E-Slide Arm Closer, Flush Bolts, Floor mounted Door Stop, Kickplates, AFDKC Signs, FDKL Signs
		Deadlock 		Multiple	018	Push Plate, Pull Handle, Slide Arm Closer, Eschutcheons, Cylinder, Deadlock, Flush Bolts, Floor Mounted Door Stop, Kickplates, FDKS Signs, FDKL Signs
				Multiple (MMHO)	019	Push Plate, Pull Handle, E-Slide Arm Closer, Eschutcheons, Cylinder, Deadlock, Flush Bolts, Floor Mounted Door Stop, Kickplates, AFDKC Signs, FDKL Signs
Lever Handle 	Slide arm closer (only if fire rated) 	Bathroom 		WC	020	Lever handles, Bathroom Lock, Acc Ind & Turn, Flush Bolts, Floor Mounted Door Stop, Kickplates, WC Sign
		Latch 		Multiple	021	Lever handles, Slide Arm Closer (included if door is Fire Rated), Flush Bolts, Latch, Floor Mounted Door Stop, Kickplates, FDKS Sign, FDKL Sign (Fire signs only if fire rated)
		Sashlock 			022	Lever handles, Eschutcheons, Slide Arm Closer (included if door is Fire Rated), Cylinder, Sashlock, Flush Bolts, Floor Mounted Door Stop, Kickplates, FDKS Signs, FDKL Signs (Fire signs only if fire rated)
Lever Handle 	No closer	Bath Lock 		WC	041	Lever handles, Bathroom Lock, Acc Ind & Turn, Pivot Hinge, Flush Bolts, Removeable Door Stop, Floor Mounted Door Stop, Kickplates, Disabled Sign

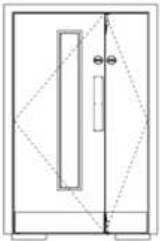
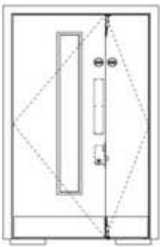
SINGLE DOOR - Double Swing

Handle Type	Closure Type	Locking Option	Elevation	Door Set Type	Set No.	Set Contents
Push Plate 	Floor spring 	Non locking		Multiple	028	Push Plates, Floor springs, Floor Mounted Door Stops, Kickplates, FDKS Signs.
				Multiple (EMHO)	034	Push Plates, E-Floor springs, Floor Mounted Door Stops, Kickplates, AFDKC Signs.
		Deadlock 		Multiple	029	Push Plates, Floor springs, Floor Mounted Door Stops, Escutcheons, Cylinder, Deadlock, Flush Bolts, Kickplates, FDKS Signs.
				Multiple (EMHO)	035	Push Plates, E-Floor springs, Floor Mounted Door Stops, Escutcheons, Cylinder, Deadlock, Flush Bolts, Kickplates, AFDKC Signs.

DOUBLE DOOR - Double Swing

Handle Type	Closure Type	Locking Option	Elevation	Door Set Type	Set No.	Set Contents
Push Plate 	Floor spring 	Non locking		Multiple	032	Push Plates, Floor springs, Floor Mounted Door Stops, Kickplates, FDKS Signs.
				Multiple (EMHO)	038	Push Plates, E-Floor springs, Floor Mounted Door Stops, Kickplates, AFDKC Signs.
		Deadlock 		Multiple	033	Push Plates, Floor springs, Floor Mounted Door Stops, Escutcheons, Cylinder, Deadlock, Flush Bolts, Kickplates, FDKS Signs.
				Multiple (EMHO)	039	Push Plates, E-Floor springs, Floor Mounted Door Stops, Escutcheons, Cylinder, Deadlock, Flush Bolts, Kickplates, AFDKC Signs.

UNEQUAL PAIR - Double Swing

Handle Type	Closure Type	Locking Option	Elevation	Door Set Type	Set No.	Set Contents
Push Plate 	Floor spring 	Non locking		Multiple	030	Push Plates, Floor springs, Floor Mounted Door Stops, Kickplates, FDKS Signs.
				Multiple (EMHO)	036	Push Plates, E-Floor springs, Floor Mounted Door Stops, Kickplates, AFDKC Signs.
		Deadlock 		Multiple	031	Push Plates, Floor springs, Floor Mounted Door Stops, Escutcheons, Cylinder, Deadlock, Flush Bolts, Kickplates, FDKS Signs.
				Multiple (EMHO)	037	Push Plates, E-Floor springs, Floor Mounted Door Stops, Escutcheons, Cylinder, Deadlock, Flush Bolts, Kickplates, AFDKC Signs.



AIR TRANSFER GRILLES

Air movement within a building is an important aspect to the building design. Air transfer grilles can be fitted to doors that can create a weakness in the integrity of the door if the incorrect grille is fitted. Our intumescent grilles are fitted in the factory and expand to prevent the passing of fire through the grilles.

Air transfer grilles will not be suitable for smoke rated doors.

Part No.	Dimensions (mm)	Air Flow (sq. cm)	Compatible Faceplates
ATG 1500	150 X 150	153	FP 1500
ATG 1503	150 X 300	307	FP 1503
ATG 1300	300 X 300	614	FP 1300
ATG 2251	112 X 225	161	FP 2251
ATG 2250	225 X 225	323	FP 2250



DROP SEALS

Where smoke control is required, we would always recommend the use of a drop seal rather than trying to achieve a 3mm gap consistently across the bottom of the door.

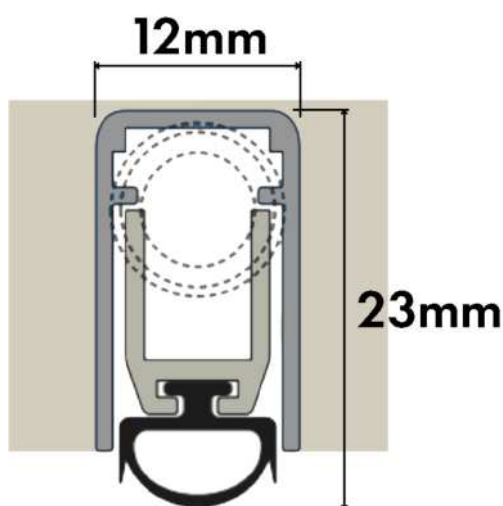
Inclusion of a drop seal can allow gaps under doors to increase to 10mm as the automatically activated drop seal will seal the gap once the door is closed.

This ensures the door will comply to BS 472-31.1. 1983.

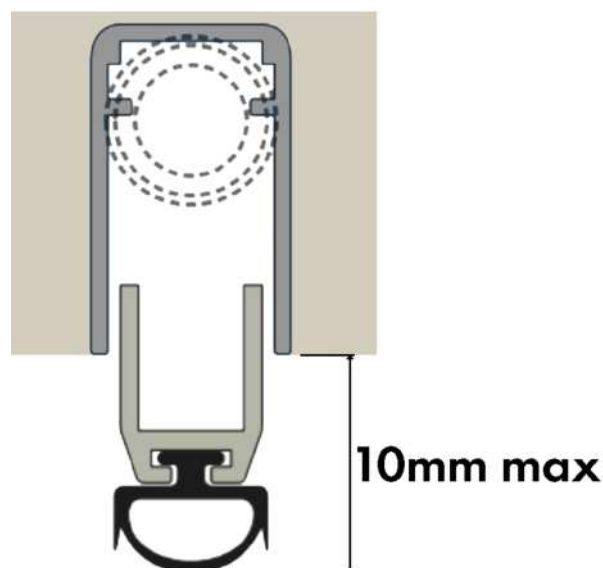
Only to be used on Single Acting Doors.



Retracted



Fully Extended



EDGE PROTECTOR OPTION

Where a client wants to be able to replace the edges and face panels of doors due to multi high impact damage, GE Door Manufacturing can offer doors fitted with high impact protections that can be replaced when damaged.

This is not only cost effective, but far less disruption for the health facility than replacing a door.



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