

Be Intelligent. Be Safe.



Defender Plus
Strong Room Doors

Reliable, Reinforced Security

The range of Strong Room Doors by Godrej - Defender Plus Class I and Class II doors helps Banks and financial institutions to meet their security requirement.

The Defender Plus range is the result of relentless striving by Godrej to come up with better products with higher security features.

The Defender Plus range of Strong room doors has an **improved superior design** and an **increase in the overall barrier protection** and security enhancing features, which coupled along with the unique Godrej **Double Duty Barrier (DDB)** material and **Torch & Drill Resistant (TDR)** matrix render superior protection against fire as well as burglary attacks using impact tools, power drills, oxyacetylene flame and arc cutting.

Godrej Defender Plus Class I doors are recommended for small to medium size safe deposit locker installations. Defender Plus Class II doors are recommended for larger vaults as well as 'B' class currency chests which are constructed and fortified according to stringent norms of Reserve Bank of India.

The-Design

Two step door-flat construction

The new design incorporates a two step door-flat construction. This is unique to Godrej as this offers more barrier level against attacks on the door along with an enhanced fire protection and also offers higher protection to the shooting bolts.

Defender Plus Strong Room Doors





Fortified Door Slabs

Thicker barriers than competition

Defender Plus Class I Door Slab

The 18 mm thick composite slab made up of a layer of flame and arc resistant (special) alloy provides dependable protection against fire and attack of power drilling, oxy-acetylene flame and arc cutting. It is further fortified by a composite 62 mm layer of Godrej Double Duty Barrier (DDB) material. This dual protection is provided over the entire lock case area. The total thickness of protective layer is 85 mm over the locks and other vital parts.

Defender Plus Class II Door Slab

This class of Door has a unique 25mm slab of Torch & Drill Resistant (TDR) matrix. It is further fortified by a composite 65 mm layer of Godrej Double Duty Barrier (DDB) material. This dual protection makes the door virtually invincible from attacks of sledge hammers, hydraulic jacks, power drills, chisels, torch and oxy-acetylene flame. The total thickness of protective layer is 105 mm over the locks and other vital parts.



Door frame

Tested quality 10 mm thick M.S. plate is used for fabricating one piece bent angle door frame. For strength and rigidity the door frame is suitably reinforced along the height and width. As a result of this, the door frame is neat in appearance and far stronger than angular frames.

Protection against fire

Godrej Double Duty Barrier (DDB) material provides reliable protection against fire as per IS standards.

As a matter of fact, Godrej Defender Plus safes using the same double duty barrier material have successfully withstood the intensive 1-hour fire endurance and impact test at Central Building Research Institute (CBRI), Roorkee. The placement of the barrier material is such that it protects all vital parts like locks and bolt work from fire more effectively.

The new Godrej Defender Plus Doors (Class I & II) are 1/2 hour fire resistant as per BIS.

High security locks

Defender Plus Doors are fitted with two Godrej make superior quality dual control high precision 8-lever locks. Stainless steel keys are supplied in duplicate. If specified at the time of placing the order, an imported Lagard 4-wheel numerical lock which offers nearly 100 million combinations for setting and resetting can be provided at extra cost. Also a superior quality imported 'Time Lock' with multiple clock movements can be fitted.

Automatic re-locking devices

Defender Plus Doors are fitted with two sensitive reliable re-locking devices - one for each of the locks. In case any attempt is made through the keyhole either using any tools or with the help of explosives then these devices get activated and deadlock the bolt work for added protection.

Drill Defeat Shield

Locks and re-locking devices are protected by a specially designed drill defeat shield which resists the attempts to drill open the locks. This type of protection is unique to Godrej.



Extra tough bolt-work mechanism

To secure the door, 12 shooting bolts (each of 38 mm diameter) are provided, six in front and six at the rear which slide behind the tough welded rebate. These bolts can be activated simultaneously by the movement of the handle.

Balanced pressure bolt work

This mechanism is unique to Godrej Defender Plus Doors. It provides protection against attempts of dislodging the locks. If any pressure is applied on the lock bolt on one side, this ingenious mechanism automatically brings into play an equal neutralizing pressure on the opposite side, thus frustrating the attempt.

Impact resisting shaft for handle

Attractively designed, convenient to use handles are fitted on an impact resisting shaft which is meant to resist attempts to hammer it in, another unique feature of Godrej Defender Plus Doors.



Adjustable Strap Hinge

The hinges are properly aligned vertically as well as horizontally for ensuring smooth and easy operation of the door. The hinges enable the Door Shutter to be adjusted vertically so that it maintains accurate fit with the frame. The hinges shall be lubricated periodically for smooth operation.



Grille Gate

For convenience of working in the strong room, a well-designed grille gate is provided which is secured with Godrej high precision 8-lever lock, operable from both sides. Stainless steel keys are provided in duplicate.

Mode of opening

The main door always opens outside and the grille gate inside. All standard doors are hung on the right. However if specified at the time of placing the order, the door and the grille gate can be hung on the left, at extra cost.

Anti-corrosion treatment

All steel components are given a thorough 12 tank anti-corrosion treatment. The chemicals used for this treatment are exclusively formulated through careful experimentation at our plant. Steel, untouched by human hands and free from grease and rust is treated for formation of rust preventing iron-phosphate film. This vital film is, protected through a process of passivation - the final step of the treatment. Immediately, the steel components are given coats of rust inhibiting paint for further protection against rust.





Final Finish

Defender Plus Doors are given coats of high quality, paint in blue colour to render smooth, scratch-free, lasting and attractive finish.

Performance Tests

For dependable security Godrej Defender Plus Doors have been tested 'in-house' by simulating attacks which modern burglars may resort to in real life situations. The attacks include the use of impact tools, power drills with pressure applying device and oxy-acetylene flame & arc cutting equipment. During these tests, tools of attack are deployed individually and collectively for attempting forced access through the strong room doors.

The test procedures used are adapted from standards of Underwriters' Laboratory U.S.A. for equivalent class of strong room door.

Defender Emergency Doors Class-1 and Class-2

These doors are recommended for providing emergency entry into strong rooms. Class-I and Class-II emergency doors have overall size h994mm x w1067mm and h1094mm x w1167mm respectively and the clear opening of h764mm x w757mm.

The other specifications of these doors are same as that of corresponding main doors.

These doors have six shooting bolts, three on each side, for securing the door slab to the frame. Two Godrej make superior quality, dual control, high precision 8-lever locks are provided.

The grille gate is fitted with Godrej make high precision 8-lever lock operable from both sides.

Plenum Chamber Arrangement

To facilitate air conditioning at larger vaults, the external and internal ducts are connected through a plenum Chamber. This arrangement is provided on the class I and Class II Emergency Doors.

Certification

Approved & Listed by the Bureau of Indian Standards (BIS) as per IS 11188



Bureau of Indian Standards

Successfully tested for fire resistance at the Central Building Research Institute (CBRI), Roorkee.

Sales & Service

To meet the needs of the customers anywhere in the country, even in the remotest areas, Godrej has a nation wide Sales & Service network having more than 20 branches and over 650 dealers.

Godrej Defender Plus Strong Room Doors are recommended in Banks, financial institutions and vaults, where pools of cash or valuables are to be protected.

Specifications		CLASS - I DOORS		CLASS - II DOORS	
		Main	Emergency	Main	Emergency
Recommended wall thickness	Wt	305 - 380	305 - 380	380 - 460	380 - 460
Overall size H x W		2200 x 1220	994 x 1067	2200 x 1220	1094 x 1167
Clear opening	A	2003 x 910	764 x 757	2003 x 910	764 x 757
Door swing	B	1045	890	1045	890
Grille gate swing	C	1040	880	1040	880
Projection of door at 90°	D	1085	930	1085	930
Projection of door when opened at 180°	E	265	265	285	285
Overall width of door and frame for maximum clear opening	F	1850	1605	1900	1645
Overall width of door and frame when fully opened	G	2206	1895	2255	1945
Overall thickness	T	167	167	187	187
Overall thickness of door frame including grille gate	OT	285	265	285	285
Weight without packing	Kg.	885	390	985	460
Weight with packing	Kg.	1020	480	1300	560
Shipping particulars:					
Case height		2330	1320	2360	1320
Case width		1320	1220	1400	1220
Case depth		525	520	535	520

(All dimensions are in mm.)

BIS	CLASS - I DOORS	CLASS - II DOORS
Inside clear opening	1978 x 910	1953 x 910
Outside clear opening	2003 x 910	2200 x 1250

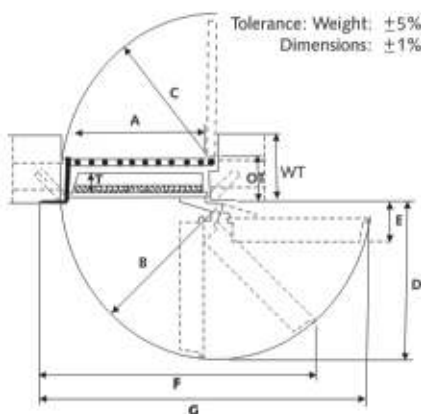
Caution

It is mandatory to observe the following precautions in case Godrej Defender Plus doors are to be installed on the first floor or above:

1. The load carrying capacity of the floor must be ascertained from the structural engineer / architect concerned.
2. The strong room door must be installed directly above the beams only.

Classification of doors IS 11188:1991

Torch & Tools Resistant (TRTL)	Godrej & Boyce Equivalent
TRTL 15, FR 30	CI I Defender Plus
TRTL 15, FR 30	CI II Defender Plus
TRTL 60	HSD 65 mm
TRTL 120	HSD 90 mm
TRTL 180	HSD 150 mm



Godrej | SECURITY SOLUTIONS

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 East : Bhubaneswar - 0674 2374650, Kolkata - 033 6601 3651/52, Guwahati - 0361 2730544, Ranchi - 0651 2513892/114, Patna - 0612 6451758, Raipur - 0771 6606 804
 North : Chandigarh - 0172 5032266/5037788, Delhi - 011 66507140/7142/7050, NCR - 011 66507271/7261, Jaipur - 0141 6701520/6535687, Lucknow - 0522 6754941.
 South : Bangalore - 080 6647 2000/2051/2102/2103/2494, Chennai - 044 6654 4444/4552, Coimbatore - 0422 6472038, Kochi - 0484 6612701-5,
 Hyderabad - 040 66431120/1000, Vizag - 0891 2746511/13.

In view of the Godrej policy of continuous development and improvement, the dimensions and specifications may be changed without prior notice or obligation. The colours of the product in this leaflet may not match the actual colours due to printing limitations.

An ISO 9001:2000 & 14001 Business

Local Address: