



AVNI

BEYOND EXCELLENCE

FIRE PROTECTION PROGRAM | SHOWER CUBICLES



AVNI

BEYOND EXCELLENCE

FIRE PROTECTION PROGRAM

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AVNI INTRODUCTION

AVNI, in its true essence, means earth. It is our responsibility to protect everything we build here.

We prioritize the safety and security of your family. Our **Fire Doors** assure maximum protection & remain stable in the most critical situations as per international standards.

We also have a vertical dedicated to lifestyle experiences - **Shower Cubicles**.

We protect your **home**. We protect your **Avni**.

OUR CORE VALUES

3S



SIMPLE



SAFE



SATISFY

Mission : To deliver a culmination of **safe, simple, & satisfactory** solutions seamlessly.

Vision : To build a **safer world** with exemplary safety solutions that are simple yet utterly effective.

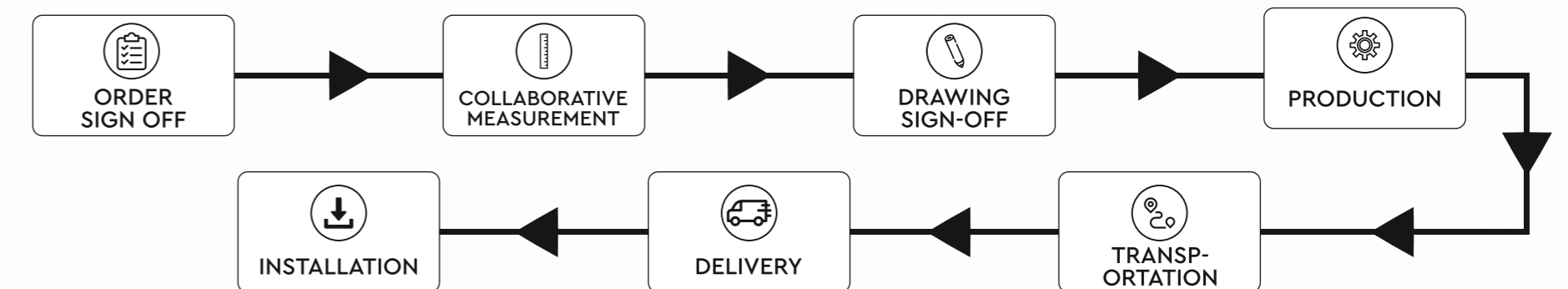
PRODUCT QUALITY

At AVNI, we use all products which strictly follow the **latest standards & IS requirements**. All of our door accessories are sourced from reputed international companies & reputed brands. We strive relentlessly to deliver **better, faster & more efficiently**.

TURNKEY SOLUTIONS

We provide **end-to-end solutions** for your absolute convenience. From supplying the Fire Door to installing it and handing it over, AVNI takes care of it all!

Once the order has been signed off, there's a collaborative measurement activity to finalize the site measurements. The next step would be to get the drawing design confirmed. Then, from production to transportation, to delivery and installation, we assure a seamless flow of the handover.



TESTING & PERFORMANCE

To ensure maximum safety, AVNI selects products tested by well-reputed institutions that are recognized on National and International levels.

For instance, the doors we use at Avni have been evaluated by the following standards: **IS 3614:2021, BS 476: Part 22 (1987), IS/ISO 3008-1, and ISO 834-1.**

Some of the testing facilities that AVNI employs for its products include:



CPRI



Warrington Fire



Spectro Labs



Green Pro Certificate



CE Certificate



CBRI

INSULATED FIRE DOORS

The **BIS (Bureau of Indian Standards)** has now classified Fire Doors as insulated and uninsulated in their latest standard.

According to **IS 3614:2021**, resistance to temperature rise on the unexposed face up to a maximum of **180°C** at any single point and a maximum average temperature of **140°C** is insulation.

Our Insulated Doors are tested for **120 minutes of integrity (E120)** & **30 minutes of Insulation (EI30)** as per the standard.

Moreover, as a required element of all fire doors, smoke seals and intumescent seals are present to maximize your safety.

Glass : The largest permitted pane of glass must not be larger than 0.06 m².

Application Based On NBC 2016 :

- Staircase
- Exit Discharge
- Horizontal Exit
- Fire Fighting Shaft
- Exit Passageway



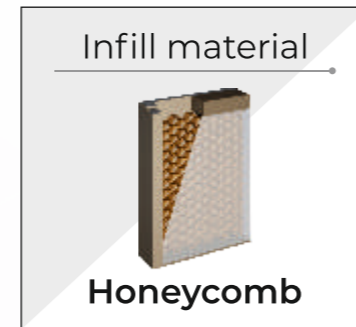
SHEET THICKNESS	
FRAME	DOOR
1.2 MM	X 1.2 MM
1.2 MM	X 1.0 MM

UNINSULATED FIRE DOORS

Integrity, according to **IS 3614:2021**, is the ability of a separating element of building construction, when exposed to fire on one side, to prevent the occurrence of flame on the unexposed side.

Our **Uninsulated Doors** are only tested for **120 minutes of Integrity (E120)** & not Insulation as per the standard. Moreover, smoke seal and intumescent seal must be included as standard parts of all fire doors.

Glass : For **Uninsulated Doors**, the largest permitted pane of glass must not be larger than **0.12 m²**.



SHEET THICKNESS		
FRAME		DOOR
1.6 MM	X	1.2 MM
1.2 MM	X	0.8 MM

SHAFT DOORS

Shaft Doors are used to safeguard mechanical and electrical equipment and stop harm to these installations.

Glass : For **Uninsulated Doors**, the largest permitted pane of glass must not be larger than **0.12 m²**.

Application :

1. Service Ducts & Shaft Doors
2. Cables
3. Electrical Shaft
4. Telephone Cable Shaft
5. Plumbing Shaft



SHEET THICKNESS		
FRAME		DOOR
1.6 MM	X	1.2 MM
1.2 MM	X	0.8 MM

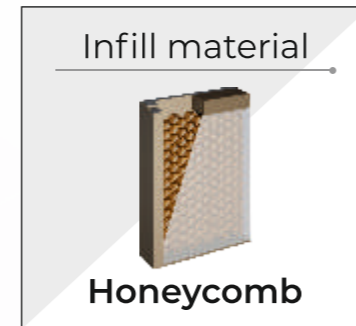
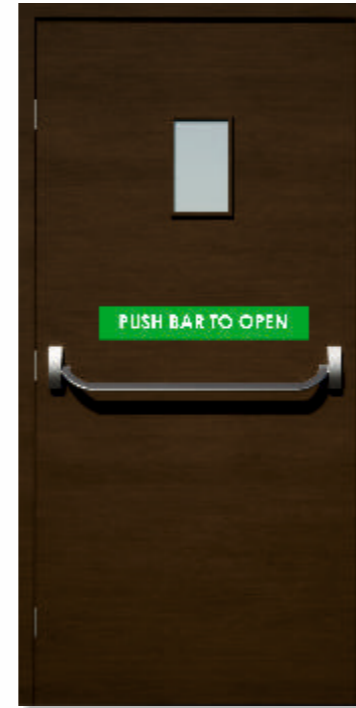
WOODEN FINISH METAL DOORS

The strength of metal & the allure of wooden textures were taken into consideration while creating a **metal door with a wooden finish**. To complement the style of your selections, AVNI provides a variety of wooden finishes.

Glass : For **Uninsulated Doors**, the largest permitted pane of glass must not be larger than **0.12 m²**.

Application :

1. Fire Exit Doors
2. Shaft/Duct Doors
3. Main Doors
4. Bedroom Doors
5. Toilet Doors
6. Dry Balcony Doors



SHEET THICKNESS		
FRAME		DOOR
1.6 MM	X	1.2 MM
1.2 MM	X	0.8 MM

GLAZED FIRE DOORS & PARTITIONS

Glazed Fire Doors & Partitions are designed to restrict the spread of smoke & fire while being completely transparent during an accident. These Fire Doors & Partitions not only add **visual aesthetics & transparency** but also protect the property & lives of people.

They provide **120 minutes of integrity (EI20)**, **30 minutes of insulation (EI30)** & **120 minutes of radiation control (EW120)** as per **NBC 2016**. These doors & systems are tested at national & international laboratories.

A special interlayered glass is used in these systems which comes in a variety of thicknesses. Generally, **11 mm & 14 mm** are used in the **Glazed Fire Doors & Partition** systems.

Application :

1. Lift Lobbies
2. Office Entrances
3. Lift Shaft Glazing
4. Data Servers Room
5. Compartmentation and Partitions



SHEET THICKNESS		
FRAME		DOOR
1.6 MM	X	1.6 MM
1.6 MM	X	1.2 MM

POWDER COATING

Our door frames & shutters are finished with the desired **RAL shade with 50 - 80 microns of powder coating.**

WOODEN SHADES

BURMA TEAK



FLAMED WALNUT



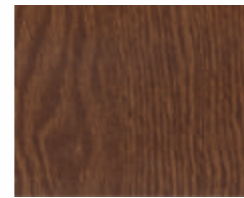
WHITE CEDAR








RED OAK



WENGE

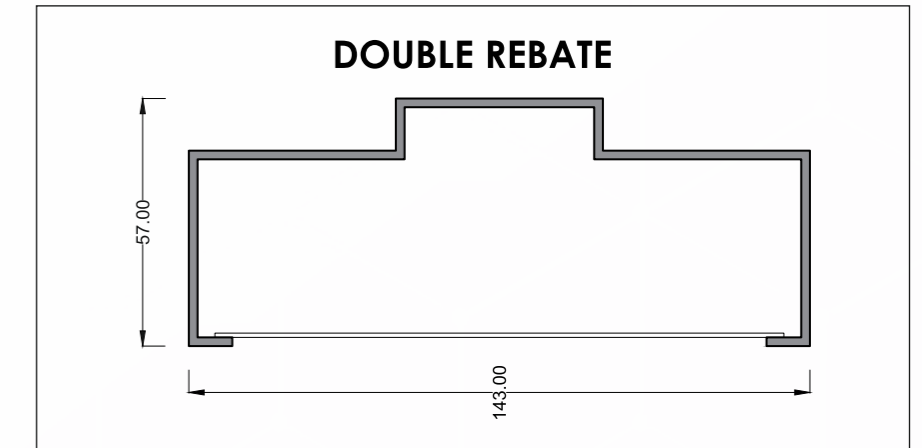
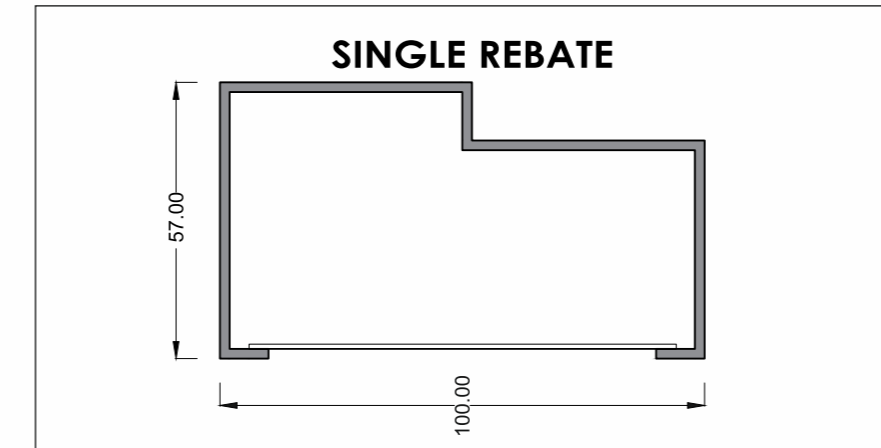


RAL SHADES

1. RAL 9010 
2. RAL 7035 
3. RAL 3001 
4. RAL 9001 
5. RAL 3020 

RAL shades can be selected as per choice with Minimum Order Quantity.

FRAME SECTIONS



GLASS

At AVNI, we only use **authentic fire-rated glass** in all our doors & systems. They're all certified by reputed international laboratories.

Monolithic, Toughened Borosilicate Fire-Rated Glass :

1. Fire Resistance Class: E120 (Integrity of 120 minutes)
2. Thickness available: 6 mm, 8 mm, 10 mm, 12 mm.

Inter-layered Glass :

1. Fire Resistance Glass: E120, EI30 (120 minutes of integrity & 30 minutes of insulation.)
2. Thickness available: 11 mm & 14 mm

WOODEN FIRE DOORS

These doors are tested as per **IS 3614 Part 2 & BS 476 part 22: 1987**. Our doors are tested for **120 minutes of integrity (E120)**. They are also tested for insulation. A special intumescent seal is grooved into the door & frame to stop the spread of smoke & fire.

Frame Section & Shutter Thickness :

120 x 70 – Single Rebate

Shutter Thickness – Up to 60 mm

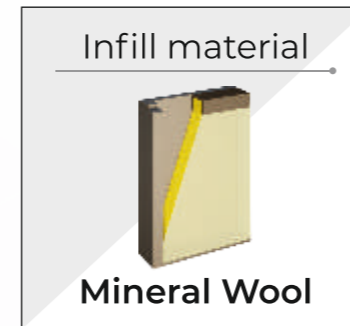
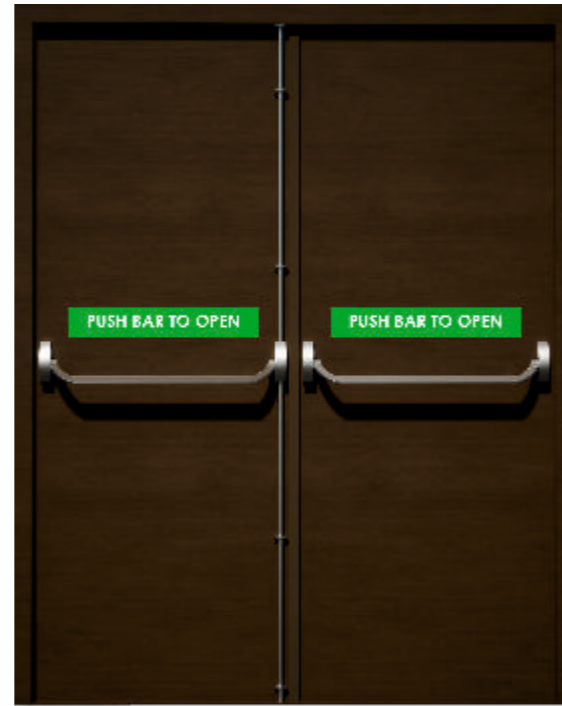
Finishes :

Frame: Painted or Polished

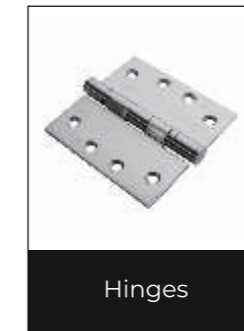
Shutter: Painted, Laminated or Veneered

Frame Material :

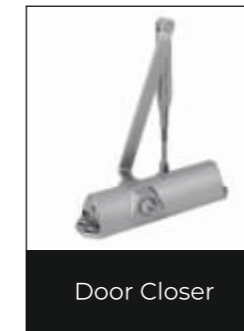
1. Red Meranti
2. Teakwood



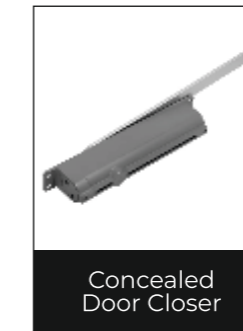
ACCESSORIES



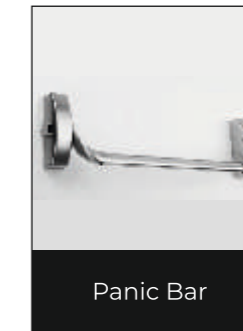
Hinges



Door Closer



Concealed Door Closer



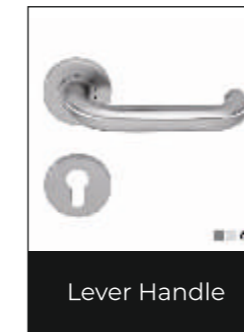
Panic Bar



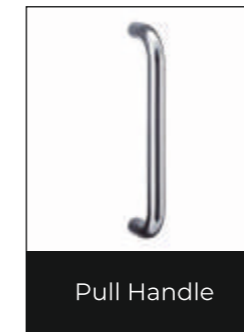
Flush Bolts



Dead Lock



Lever Handle



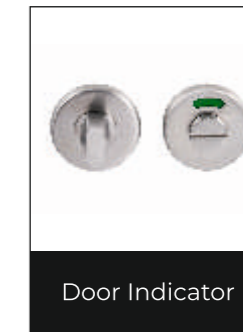
Pull Handle



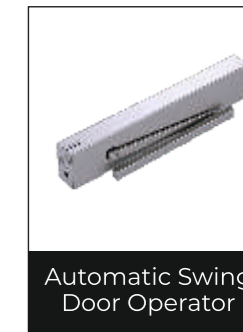
Flush Pull Handle



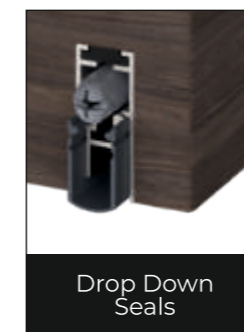
Mortise Shaft Lock



Door Indicator



Automatic Swing Door Operator



Drop Down Seals



Smoke Seals



Intumescent Seals



Mortise Lock Body

PROJECTS



219 Boat Club Road



ABIL Avaanti



ABIL Castel Royale



Amar Business Park



Amar Business Zone



Amar Madhuban
Tech Park



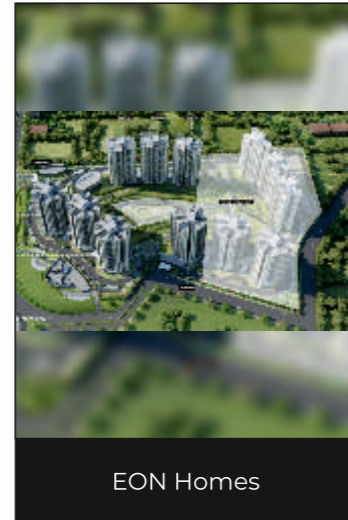
Amar Tech Park



Bharat Forge



BOSCH Chakan



EON Homes

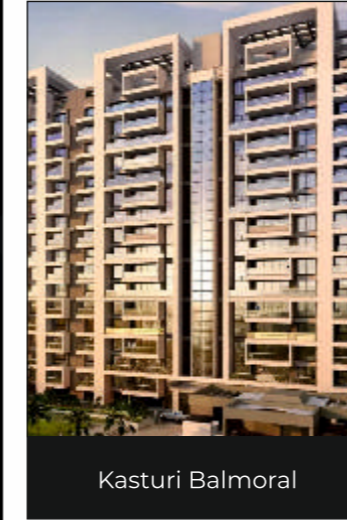


Film &
Television Institute of India



Kasturi Apostrophe

PROJECTS



Kasturi Balmoral



Kasturi Lords Estate



Kasturi Zero One



Oxford Golf Resort



Panchshil Avant Garde



Panchshil ICC Towers



Panchshil Trump Towers



Poona Hospital



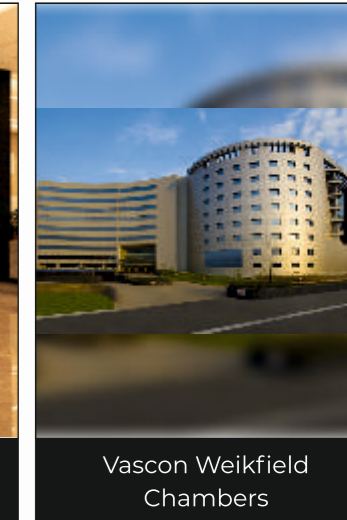
Serum Institute Of India



Suzlon One Earth



TCS Olympus



Vascon Weikfield
Chambers