

# **SPECIFICATION**

## **2. ACCUCEL DOOR SHUTTER WITH SOLID uPVC EXTRUDED FOAM SECTION**

ACCUCEL is rigid PVC foam profile with a fine cellular structure having a smooth outer integral skin, which is homogeneous in character. ACCUCEL profiles are a perfect substitute for premium wood, which needs no maintenance at all. ACCUCEL profiles are characterized by excellent screw holding strength (>200 kgf) as per IS: 4020, shore hardness D of more than 70 and fire retardant grade I, which is self-extinguishing as certified by CIPET. Other inherent properties are like waterproof, termite proof, premium surface, easy to install, easy workability with normal carpentry tools, chemically resistant, light in weight etc. ACCUCEL solid PVC foam products combines this outstanding characteristic with total freedom of design in endless application in engineering / chemical industries, building and construction, architectural design and custom made products.

ACCUCEL Door shutter should be waterproof, termite proof, elegant and should have excellent screw holding strength to fix hinges and hold doors properly for a long life.

### **a. 28mm thick having 3mm thick phenol formaldehyde bonded high-pressure compact laminate infill panels**

The door shutter shall be made of solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 71mm width & 28mm thick as vertical & horizontal stiles. Joints are made using solvent adhesive and GI 'C' sections (39mm x 19mm x 19mm x 0.6mm thick) or M S Pipe (40mm x 20mm) stiffener frame insert & telescopic polymeric 'L' corners. The panel shall be filled 3mm thick **phenol formaldehyde** high pressure laminate sheet is inserted. Cover molding shall be provided for covering fixing screws and elegant look. Normal hardware & fitting shall be fixed.

### **b. 28mm thick having 6mm thick tongue and groove wood veneer design / plain ACCUCEL section FP 25006 infill panels**

The door shutter shall be made of solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 71mm width & 28mm thick as vertical & horizontal stiles. Joints are made using solvent adhesive and GI 'C' sections (39mm x 19mm x 19mm x 0.6mm thick) or M S Pipe (40mm x 20mm) stiffener frame insert & telescopic polymeric 'L' corners. The panel shall be filled with 250mm wide & 6mm thick ACCUCEL Paneling profile FP 25006 is inserted. Cover molding shall be provided for covering fixing screws and elegant look. Normal hardware & fitting shall be fixed.

- c. 30mm thick having 20mm thick ribbed panel tongue and groove plain / PVC film laminated ACCUCCEL section FP 32120 as infill panels having 3mm thick surface on both sides and ribs**

The door shutter shall be made of solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 64mm width & 30mm thick as vertical & horizontal stiles. Lock rail is made of ACCUCCEL section 128mm width and 30mm thick. Joints are made using solvent adhesive and GI 'C' sections or M S Pipe stiffener frame insert & telescopic polymeric 'L' corners. The panel shall be filled 321mm wide and 20mm thick ACCUUCCL ribbed panel is inserted. Normal hardware & fitting shall be fixed.

- d. 35mm thick sandwich panel having 6mm thick tongue and groove section with wood veneer design FP 25006 cladded on both sides**

ACCUCCEL door shutter shall be made solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 35mm width & 25mm thick as vertical & horizontal stiles. Joints are made using solvent adhesive and Infill panel shall be filled with 250mm wide & 6mm thick on both side which are adhered together with specialty adhesive to EPS sheet in between as per manufacturer's guidelines. MS pipe frame is fitted inside the outer ACCUCCEL frame to impart additional strength. 8" wide x 12mm thick ecolink sheet / plywood is provided as the center for holding hardware more securely. Normal hardware & fitting shall be fixed.

- e. 40mm thick sandwich panel having 6mm thick tongue and groove section with wood veneer design FP 25006 cladded on both sides and uPVC edging**

ACCUCCEL door shutter shall be made solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 71mm width & 28mm thick as vertical & horizontal stiles with GI 'C'(40x20x20/0.6mm) / MS pipe 39x19/0.8mm stiffeners. Joints are made using solvent adhesive and Infill panel shall be filled with 250mm wide & 6mm thick ACCUCCEL paneling profiles on both side which are adhered together with specialty adhesive to 25mm thick EPS sheet in between as per manufacturer's guidelines. PVC edging is adhered on outer borders. Normal hardware & fitting shall be fixed.

- f. 28mm thick fly-mesh shutter having SS wiremesh Jali**

The door shutter shall be made of solid uPVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 71mm width & 28mm thick as vertical & horizontal stiles. Joints are made using solvent adhesive and MS Pipe (40mm x 20mm) stiffener frame insert & telescopic polymeric 'L' corners. Provision for SS flymesh of required sizes fixed with help of SS stapler pins and ACCUCCEL beading element 12mm x 10mm. Normal hardware & fitting shall be fixed.