

# **SPECIFICATION**

## **9. ACCUCEL MODULAR PARTITIONING SYSTEM 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 Partition should be waterproof, termite proof, elegant and should have excellent screw holding strength to fix hinges and hold doors properly for a long life.

### **- FULL HEIGHT / LOW HEIGHT / SEMI GLAZED**

#### **a. 70mm thick with sandwich panel having 3mm thick HPL sheet on both side and 55mm thick insulating EPS sheet**

ACCUCEL Sandwich Partition panel shall be made solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 71mm width & 14 mm thick as vertical & horizontal stiles. Joints are made using solvent adhesive and sheet metal screws. Infill panel shall be filled with 3mm thick high pressure laminate panel on both sides which are adhered together with specialty adhesive to expanded polystyrene sheet in between as per manufacturer's guidelines.

Provision is made for 5mm thick Glass at desired height for semi-glazed partition using ACCUCEL beading section FP3517 for fixing glass on both side. Door /Window can be provided in the partitioning system as required by interior designer / engineer in charge

#### **b. 70mm thick with 20mm thick ribbed panel FP32120 as infill panel**

ACCUCEL Single panel Partition shall be made solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 71mm width & 28 mm thick as vertical & horizontal stiles. Joints are made using solvent adhesive and sheet metal screws. Infill panel shall be filled with 20mm thick ribbed panel FP32120 having 3mm thickness on both side and ribs as per manufacturer's guidelines. Infill panel is fix with beading element FP2519 on both side in the frame structure.

Provision is made for 5mm thick Glass at desired height for semi-glazed partition using ACCUCEL beading section FP3517 for fixing glass on both side. Door /Window can be provided in the partitioning system as required by interior designer / engineer in charge.

#### **c. 30mm thick with 20mm thick ribbed panel FP32120 as infill panel**

ACCUCEL modular panel of 1Mtr. Width (Normal) having ACCUCEL section 'C' type, 'H' type and 'T' type for framing using 30mm thick Wall panels are made of solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 64 mm width & 30mm thick as vertical & horizontal stiles. Joints are made using solvent adhesive and GI 'C' sections or M S Pipe stiffener frame insert. The infill panel shall be filled with 321mm wide and 20mm thick 3mm thickness on both side and ribs as per manufacturer's guidelines. Wall panels are joined together with M.S. Frame structure at base and vertical columns at ends & centre.

Provision is made for 5mm thick Glass at desired height for semi-glazed partition using ACCUCEL beading section FP3517 for fixing glass on both side. Door /Window can be provided in the partitioning system as required by interior designer / engineer in charge.

#### **d. Modular bath / toilet partitioning system**

ACCUCEL modular Vertical and front fascia panel as per design are made with ACCUCEL section 'C' type, 'H' type and 'T' type for framing using 30mm thick Wall panels are made of solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 64 mm width & 30mm thick as vertical & horizontal stiles. Joints are made using solvent adhesive and GI 'C' sections or M S Pipe stiffener frame insert. The infill panel shall be filled with 321mm wide and 20mm thick 3mm thickness on both side and ribs as per manufacturer's guidelines. Wall panels are joined together with M.S. Frame structure at base and vertical columns at ends & centre.

ACCUCEL Door and Specially designed lags and fittings are provided in the partitioning system as required by interior designer / engineer in charge.