

Cold Room PUF Panel

Technical Specifications Of Puf Panels

THICKNESS : 60,80, 100,125 & 150 mm

SURFACE MATERIAL GI Pre-Painted Sheet, S.S. Sheet (Grade 304/316 & Surface Finish 2B & Mate), GI Plain Sheet, Plain Galvanize Iron. (Inside & Outside different metal can be placed as per your requirement).

FLOOR :

- (A) For Kota stone or Concrete floor, Puf Slab with both side tar felt coated.
- (B) For Kota stone or Concrete floor, both side metal surface panel in which each side fits with cam lock and prevent temperature loss.
- (C) Aluminium Chequered Plate with Marine Ply.
- (D) FRP Cladding on floor

DOOR :

(A) **Flush Type :** Swing Door with FRP Profile, Imported Hardware, Push Type Gasket & replaceable heater for easy door operation & long life.

Opening Size : 24"x72",30"x72",34"x78",46"x84" (Door Opening W x H)

(A) **Over Lap Type:** Teak wood frame with metal covering by using heavy duty hardware for better strength

Size : 45"x84",49"x84",54"x84", 60"X90" (Door Opening W x H)

ROOM SIZE :

(A) Length & Width Minimum 1.78 mt and Bigger size 0.146 mt in multiples. As per requirement

(B) Standard Height for 60 mm thickness 2.47 mt, 80 mm-2.51 mt,100 mm-2.55 mt, 125 mm-2.60 mt, 150 mm-2.65 mt. Single Panel Height upto 12 mt and above as per your requirement.

Sr. No.	Parameters	Description
1	Average PUF Density	40 ± 2 Kg/ cu.mtr/ m ³
2	PUF Blowing Agent	141B (CFC free)
3	Insulation Material	Polyurethane foam
4	Temperature range	+90°C to -60°C
5	Panel Type	Discontinuous type with cam lock
6	M.O.C. Of Cam Locks	Cam locks body material HIPS and male latch is made of nylon Glass fibre reinforcement. Cam-lock panel joints easy assembly and leakage resistant panel joints.
7	Type Of Panel	Tongue & Groove Joint with Cam lock and all side rubber gaskets

	Joints	
8	Corner Panel Available	12" X 12" X 162"(Maximum Length)
9	Length of wall & ceiling panel	2032 mm to 12000 mm 80" to 472.5" inch
10	Ceiling Suspension items with specs	MS bolt with thermal breaking cap. 4 mm thickness X 80 X 80 mm Aluminium plate for load distribution Anchor bolt (MS) hanging bolt with 40 mm washers thickness Sealing to panel MS road Clamp with an insulated crown.
11	Closed cell content	90 to 95%
12	Vapour Permeability	5.5mg/PASM
13	Water Absorption	Less than 2%
14	Fire Resistance	FR Grade (Fire Resistance Grade)
15	Compressive Strength at 10% Deformation	0.21 N/ sq.mm (For PUF only)
16	Tensile Strength	0.58 N/ sq.mm (For PUF only)
17	Adhesive Strength(Foam to Sheet)	2.9kg/sq.mtr
18	Adhesive Strength (Foam to Sheet)	2.9 kg /sq.mtr
19	Panel Facing Availability	With Rib or plain on Demand (Ribs are provided for more strength)
20	Wall & Ceiling Panel Facing material	Pre Painted Galvanised sheet, Thickness 0.50mm Plain Galvanised sheet, Thickness 0.50mm S.S. sheet, Grade 316, 0.50mm finish 2B/ 0.6mm mate No.4 S.S sheet, Grade 304, 0.50mm finish 2B/ 0.6mm mate No.4

21	Floor Panel Facing Material	<ul style="list-style-type: none"> • PUF Panel with both side tarfelt sheet. • PUF Panel with both side 0.5mm GIPP sheet. • PUF Panel with outside GIPP sheet, inside 9 mm thick marine ply with 2 Aluminium Chequered Plate
22	Specification for Colour Coating	<p>A. RAL No. : 9002/9003 or it's nearest</p> <p>B. Indian Standard code Colour Coating : IS 14246 Galvanizing : IS 277513</p> <p>C. Organic Coating : Type RMP (Polyester)</p> <p>D. Zinc Coating : 120 GSM</p> <p>E. Top Primer (Thickness in micron 'μ') : 5 +/- 1 μ</p> <p>F. Top Coat (Thickness in micron 'μ') : 20 +/- 1 μ</p> <p>G. Back Primer (Thickness in micron 'μ') : 4 +/- 1 μ</p> <p>H. Back Coat (Thickness in micron 'μ') : 4 +/- 1 μ</p> <p>I. Guard Film (Thickness in micron 'μ') : 40 +/- 3 μ</p> <p>J. Salt Spray Test /Humidity Test : 750 hrs. /1000 hrs.</p>