

Medical

COOLSWAY's PUF paneling and door solutions



There is extensive use of PUF panels in medical industry be it operation theaters or pharmaceutical plants. Apart from its insulation property, the clean and neat look and easy maintenance makes it first choice in operation theaters along with cool doors. Due to same reason, it is also widely popular in pharmaceutical or laboratory environment.



Coolsway in Medical:

We very well understand the specific requirement of medical segment specially hygiene. A high standard of hygiene needs to be maintained in every stage of execution. Coolsway has always kept this important factor in mind and trained the teams as per this need.

Additionally, Coolsway is also manufacturing medical utility doors, so it is added advantage for client to opt for Coolsway to get single window. Medical doors are specially designed for this purpose.

Applications in Medical Sector:

- Operation theaters
- Clean Room
- Laboratories
- Remote locations make shift hospital
- Pharmaceutical Industry
- Medicine & vaccine storage



ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 certified company

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Energy Conservation Building Code (ECBC 2007) recommendation for Insulation for Hospital buildings / Pharmaceutical Plants / Drug and vaccine warehouses.

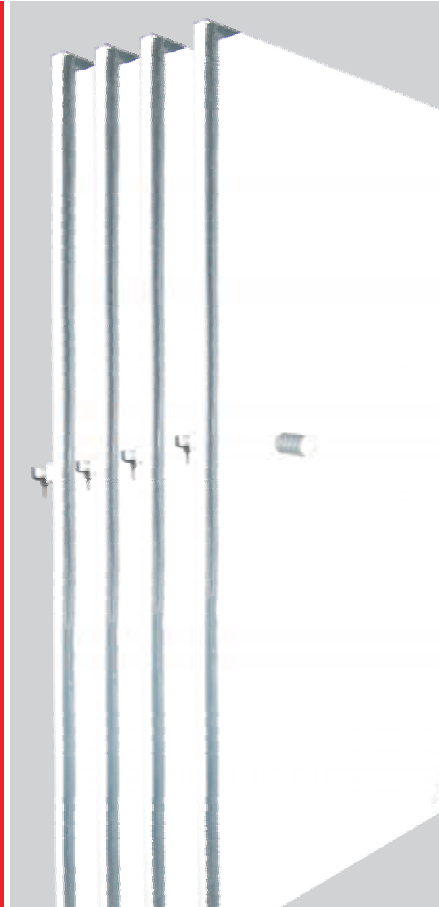
Wall Assembly:

| Climate Zone | Hospital Building | | Insulation Material and Thickness in mm | | |
|--------------|----------------------------|----------------------------|---|--------------------|--------------------|
| | Max U (W/m ² K) | Min R (m ² K/W) | Mineral Wool (K=0.028 W/mK) | EPS (K=0.036 W/mK) | PUF (K=0.023 W/mK) |
| Composite | 0.440 | 2.10 | 60 | 75 | 50 |
| Hot & Dry | 0.440 | 2.10 | 60 | 75 | 50 |
| Warm & Humid | 0.440 | 2.10 | 60 | 75 | 50 |
| Moderate | 0.440 | 2.10 | 60 | 75 | 50 |
| Cold | 0.369 | 2.20 | 70 | 85 | 60 |

Roof Assembly

| Climate Zone | Hospital Building | | Insulation Material and Thickness in mm | | |
|--------------|----------------------------|----------------------------|---|--------------------|--------------------|
| | Max U (W/m ² K) | Min R (m ² K/W) | Mineral Wool (K=0.028 W/mK) | EPS (K=0.036 W/mK) | PUF (K=0.023 W/mK) |
| Composite | 0.261 | 3.50 | 100 | 115 | 85 |
| Hot & Dry | 0.261 | 3.50 | 100 | 115 | 85 |
| Warm & Humid | 0.261 | 3.50 | 100 | 115 | 85 |
| Moderate | 0.469 | 2.10 | 65 | 75 | 55 |
| Cold | 0.261 | 3.50 | 100 | 115 | 85 |

PUF Insulation Panels



COOLSWAY PUF Plant at Ghaziabad, UP

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*All data, design, specifications and calculations are indicative and for reference only. This may be changed.

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