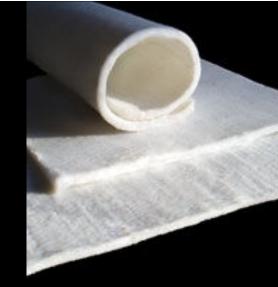


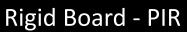


Thermafleece





Aerogel

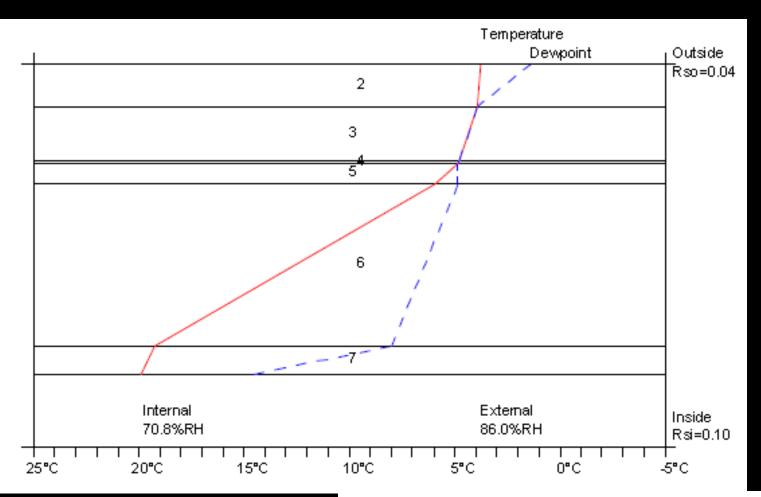






Multifoil

## ROOFS



## Condensation Risk Analysis (no account taken of thermal bridges)

4 - D wellings with high occupancy, sport halls, kitchens, canteens; buildings heated with unflued gas heaters

Jan (NOST) Feb Mar Apr May Jun Jul Ang Sep Oct Nou Dec
2000 70.8% 2000 69.8% 2000 67.7% 2000 68.8% 2000 66.2% 2000 67.8% 2000 70.3% 2000 71.3% 2000 70.8% 2000 69.9% 2000 69.7% 2000 70.6%
350 260% 380 82.5% 5.70 800% 800 77.0% 11.30 77.0% 14.40 76.0% 16.50 76.5% 16.10 78.5% 1380 81.5% 10.70 84.0% 6.40 85.5% 4.50 86.5%

	Interface Temp. ℃	Dewpoint Temp. ℃	Vapour Pressure (kPa)	Saturated V.P. (kPa)	Worst Cond. (g/m²)	Peak Buildup (g/m²)	Conden- sation
1 Outside surface resistance	3.8	1.4	0.67	0.80			No
2 Clay tiles (BS5250)	3.9	3.9	0.81	0.81	896.8 in Jan	4951 in Anr	Yes
3 Airspace 25mm between slates/tiles	5.5	5.5	0.01	0.01	030.0 111 0011	400 i iii Api	103
underlayer	4.8	4.8	0.86	0.86			No
4 Tyvek Supro	4.8	4.8	0.86	0.86	942.3 in Jan	3674 in Mar	Yes
5 Cavity>=25m m , roof (CIBS) 6 Thermafleece	5.9	4.8	0.86	0.93	542.5 III 64II	301 4 III M GI	No
	19.3	8.0	1.07	2.23			No
7 Lath_Plaster 8 Inside surface resistance	19.9	14.6	1.65	2.32			No

Worst case internal / external conditions for graph: 20.0°C @ 70.8%RH / 3.5°C @ 86.0%RH



- Opportunities
- Defects
- Risks
- Bad Practice









Windows and Doors



## Floors

















View of wind turbines beyond St Breock Down Monolith, Cornwall © English Heritage Photo Library



A house with a pole-mounted turbine © Proven Energy Ltd

