

## COLD STORE DATA SHEET

Foam Insulation Tolerances According To Bs En 13165: 2012

LENGTH & WIDTH TOLERANCES			
Dimensions (mm)	Tolerances (mm)	Dimensions (mm)	Tolerances (mm)
<1000	±5	2001 to 4000	±10
1000 to 2000	±7.5	>4000	±15
Thickness Tolerances			
Class	Nominal Thickness (mm)		Tolerances (mm)
T2	<50	50 to 75	>75
	±2	±3	+5, -3
Compressive Strength or Stress		CS(10\Y)100 i.e. ≥100kPa	
Density		≥38kg/m <sup>3</sup>	
Thermal Conductivity (Initial Value)		λ <sub>D</sub> :0.0201 W / (m,K) @T=23±C & RH=60%	
Dimensional Stability			
Test Condition	Relative Changes		Level DS(TH)4
DS (70,90)	Δε <sub>1</sub>	%	≤1
	Δε <sub>b</sub>		
48H, 70°C, 90%RH	Δε <sub>d</sub>	%	≤4
Water Vapor Transmission		Water vapor diffusion resistance factor (μ) :35 (un-faced foam)	
General		Code: OU-EN 13165-T2-DS(70,90)4-CS(10\Y)100-MU35	

### NOTES

- Nominal thickness (min) : 50mm for wall
- Length (max) :16m / Width (max): 1000mm
- Reaction to Fire meets Euro Class E Fire Classification

- n-Pentane is used as blowing agent
- Chlorofluorocarbons (CFC's) haven't been used in manufacturing of this product
- n-Pentane blowing agent has Zero ODP (Ozone Depletion Potential) and low GWP (Global Warming Potential)