

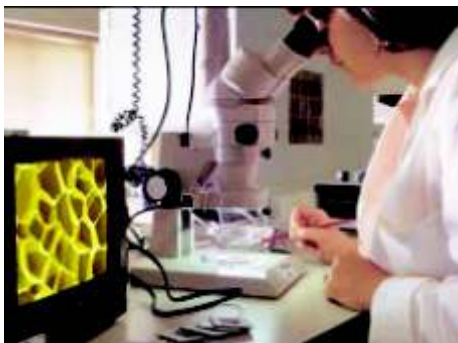
# XPOOL Physical Properties

*Collecta* YELOFOAM XPOOL extruded polystyrene (XPS) insulation products are manufactured to the highest possible specification.

All product's physical properties are determined under strictly controlled laboratory conditions in accordance with harmonised European Standards.

*Collecta* YELOFOAM XPS boards have excellent properties which will last the life of the building:

- ✓ Excellent thermal performance
- ✓ CFC & HCFC free
- ✓ Zero ODP
- ✓ High compressive strength
- ✓ Very low water absorption
- ✓ Closed-cell structure
- ✓ Zero capillary strength



The closed-cell structure of YELOFOAM magnified by 500 times.

Properties <sup>(1)</sup>	Standard	Unit	XPOOL
Thermal conductivity	BS EN 12667: 2001	W/mK (I <sub>90/90</sub> )	≤60 - 0.030 70 - 80 - 0.032 ≥90 - 0.033
Compressive strength <sup>(2)</sup>	BS EN 826	kPa	480
Grade	BS EN 826	–	CS400
Long-term water absorption by immersion	BS EN 12087	% Volume	<0.7%
Water vapour diffusion factor	BS EN 12086	m	100-200
Capillarity	–	–	None
Density (minimum)	BS EN 1602	kg/m <sup>3</sup>	40
Temperature range	–	°C	-50/+75
Surface finish	–	–	Skin Skin

## Board dimensions

Board size	600 x 1250
Standard thickness <sup>1 (9)</sup>	-
	-
	-
	-
	50
	60
	-
	75
	80
	90
100	
120	
140	
160	
Edge profile	Shiplap

Note. <sup>(9)</sup> Other sizes manufactured to order subject to minimum quantity.

## Independent Accreditation & Approvals

YELOFOAM extruded polystyrenes are manufactured in accordance with harmonised European Standard EN 13374: 2001, and where required carry CE mark.

YELOFOAM extruded polystyrene have been independently tested by a UKAS accredited laboratory in accordance with BS EN 12267: 2001.

