

## XPS INSULATION BOARD PROPERTIES

PHYSICAL PROPERTIES	STANDARD	RESULT
Density <sup>2</sup>	ISO 845; 1988	35-37 kg m <sup>3</sup> (± 4%)
Compressive strength <sup>5</sup>	ISO 844; 1978	310 - 360 kPa
Water vapour permeability <sup>2</sup>	ISO 1663; 1981	369 g/m <sup>2</sup>
Water absorption <sup>6</sup>	ISO 2896; 1987	<0.5% by volume
Dimensional stability	EN 1604	< 1.0%
Thermal conductivity	ISO 8302; 1991	0.030 W/m.K

FIRE REACTION TEST CONFIRMATION	
Test report no	2023-02-16 Swartland
Code applied	SANS 53501-1
Product	Insulation Material
Materials	Extruded Polystyrene
Tests performed	SANS 1743, SANS 53823, SANS 11820, SANS 11925-2, EN 5660
<b>Classification</b>	<b>B/S1/D1</b>

