

OHANA XPS TECHNICAL DATA SHEET

EXPO FOAM 
EXTRUDED POLYSTYRENE BY OHANA

OHANA XPS / EXPO FOAM is a lightweight, rigid, closed-cell extruded polystyrene insulation material. It delivers superior thermal resistance, high compressive strength, and excellent moisture resistance. Easy to handle and install, it is widely used in construction, roofing, below-grade insulation, cold storage, and industrial applications.



ROOF INSULATION



COLD STORAGE INSULATION



BELOW GRADE INSULATION



EXTERIOR WALL INSULATION



FLOOR INSULATION

STANDARDS	ASTM C 578: 2023	TYPE VI	TYPE VII	TYPE V
		OX-FOAM 35	OX-FOAM 48	OX-FOAM 50
PHYSICAL PROPERTIES	DENSITY RANGE (Kg/m ³)	29	35	48
	Compressive Resistance (@ yield or 10 % deformation, which occurs first, min kPa)	276	414	690
	Thermal Resistance R-Value (of 25.4 mm thickness @ mean temperature of 35 °C min and 60% RH min, K-m ² /W)	0.84	0.84	0.84
	Thermal Conductivity K-Value (Max, W/m.K @ 35 °C and 60 % RH)	0.0303	0.0303	0.0303
	Flexural Strength (Min,kPa)	414	517	690
	Water Vapor Permeance (of 25.4 mm thickness, max, perm)	1.1	1.1	1.1
	Water Absorption (Total immersion, max, Volume %)	0.30	0.30	0.30
	Dimensional Stability (Change in dimensional, max %)	2.0	2.0	2.0
	Oxygen Index (Min, volume %)	24	24	24



Tough. Thermal. Timeless.
— OHANA Engineered XPS.

FEATURES & BENEFITS



**SUPERIOR THERMAL
RESISTANCE**



**HIGH MOISTURE
RESISTANCE**



**DURABLE & LONG-
LASTING**



**SUPERIOR COMPRESSIVE
STRENGTH**



**LIGHTWEIGHT AND
EASY TO CUT/HANDLE**



VERSATILE

JOIN COMMUNITY



EXPLORE MORE



Disclaimer:

All technical data stated in this TDS are based on laboratory tests and real-life applications to the best of our knowledge. It is the responsibility of the user to determine the suitability of this product for a specific application. However, our experts will support you in choosing the best material for your specific application. OHANA Industries LLC also reserves the right to make changes without prior notice.

