OWENS CORNING® **FOAMULAR®** Energy-Saving, Moisture-Resistant XPS Insulation

Commercial, Industrial & Residential Properties Foamular Metric

Property	Unit	Test	FM 150	FM 250	FM 300	FM 350	FM 400	FM 450	FM 500	FM 550	FM 650
Density	kg/m³	ASTM D1622	25-28	31-40	34-40	36-42	38-44	40-45	40-45	41-46	42-48
Compressive Strength	kpa	ASTM D1621	>=150	>=250	>=300	>=350	>=400	>=450	>=500	>=550	>=650
Water Absorption Rate	%(v/v)	ASTM C272	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Water Vapor Permeance	ng/(pa.s.m²) @ 25.4mm	ASTM E96	<63	<63	<35	<35	<35	<35	<35	<35	<35
Dimensions (mm)	2400 x 600 (2400 x 1200 optional special order)										
Thickness (mm)	25, 30, 40, 50, 60, 75, 100										
Thermal Conductivity (R Value)	W/m.k @ 24°C	ASTM C518		25 mm R.89	30 mm R1.1	40 mm R1.42	50 mm R1.78	60 mm R2.14	75 mm R2.67	100 mm R3.57	
Reference & Recommended	Reference Document - Australian Standard AS1366.4 Rigid Cellular plastic sheets for thermal insulation Part 4 Rigid Cellular Polystyrene Extruded RC/PS-E Physical Properties - AS1366.4 Table 3						Recommended Application - AS1366.4 Apendix B Table B1 CFC free since 1992 Compressive strength @10% deflection				
Fire Rated Indices		AS 1530.3	Ignitability 9 (0-20) Spread of flame 0 (0-10) Heat evolved 1 (0-10) Smoke developed 4 (0-10)								
Tested With 6mm Poly Render		AS 1530.3	Ignitability 0 (0-20) Spread of flame 0 (0-10) Heat evolved 0 (0-10) Smoke developed 1 (0-10)								

APPLICATION

Foamular Metric	FM 250	FM 300	FM 350	FM 400, 450, 500, 550, 650		
Concrete Flat Roofs	X	X		Special Order: minimuim order quantities apply		
Parking Decks & Under Slab	X	X				
Metal Roofs	X					
Exterior Walls	X			Typical Lead Time: 10-12 weeks		
Cavity Walls	X					
Cold Storage Floors & Walls	X	X	X	X	X	X
Cold Storage Ceilings	X	X	X			
Ice Rinks	X	X	X			
Highway			X	X	X	X
Airport Runways			X	X	X	X
Sandwich Panels	X	X				