



3D-PHEN HIGH DENSITY FOAM

CFC/HCFC Free Phenolic Pipe Support Blocks supplied by 3D Insulation Ltd are manufactured from High Density Structural foam which gives the support blocks good mechanical strength whilst retaining an excellent level of insulation. The support blocks incorporate a Class O foil facing and for heavier loads a mechanical spreader plate. In addition, the support blocks have the excellent fire and water resistance properties associated with Phenolic Insulation. Phenolic Pipe Support Blocks allow the pipe to maintain its level of insulation whilst being mechanically supported. Within their operating temperature range (-180 to +120 deg C) the support blocks can be used wherever pipes need mechanical support and are compatible with the systems of clips and hangers used in the heating and ventilation industries. Phenolic Pipe Support Blocks are available in steel and copper pipe sizes and non-standard sizes are available upon request. 80kg/m³ Density Phenolic Foam is generally used up to and including 159mm od whilst 120kg/m³ Density is used for 168mm od and above. Mechanical spreader plates are normally used for 48mm od and above.

GENERAL PHYSICAL PROPERTIES

Property	Test Method	Unit	80kg/m ³	120kg/m ³
Nominal Density	EN ISO 845	KG/M ³	80	120
Thermal Conductivity	EN 12667	W/mk	0.030	0.032
Closed Cell Content	EN ISO 4590 Method 1	%	>95	>95
Operating Temp		Deg C	-180 to +120	-180 to +120
Compressive Strength	EN 826	kPa		
		Parallel	620+/-40	1050+/-40
		Perpendicular	480+/-40	760+/-40
Tensile Strength	EN 1607	kPa		
		Parallel	550+/-40	700+/-40
		Perpendicular	400+/-40	620+/-40