BARNVALE
DESIGN AND INNOVATION

TECHNICAL SPECIFICATION

Calcium Silicate Blocks

Appearance

White rigid insulation

Product

Pipe Supports: 15mm - 600mm nb (Nominal Bore Pipe)
15mm - 159mm cu (Copper Pipe)
15mm - 304mm s/s (Stainless Steel Pipe)
Can also be cut to accommodate thermal expansion requirements.



Standard Thicknesses

20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 60mm, 65mm, 75mm, 80mm, 90mm & 100mm

Standard Lengths

50mm, 80mm or 100mm

Typical Product Performance

Service Temp: Min 0°C Max 950°C

Bulk Density: 245 Kg/m³

Cold Compressive Strength: > 1.5 Nmm²

Linear Shrinkage @ 1000°C - 12h: 1.3%

Thermal Conductivity @ 400°C: 0.075 W/mK

Thermal Conductivity @ 400°C: 0.105 W/mK

Thermal Conductivity @ 600°C: 0.145 W/mK

Thermal Conductivity @ 800°C: 0.175 W/mK

Description

Our Calcium Silicate blocks are a tough and durable insulation, offering exceptional thermal efficiency on hot process applications.

Non-combustible, it is an inert material, containing non-asbestos. Can be supplied with an applied aluminium foil backing or with a sheet metal sleeve for vapour barrier purposes.

Product Application

An ideal insulation material for high temperature pipes and vessels and as a secondary backup insulation in furnace and smelter applications. Used throughout the Petrochemical, Power Generation, Furnace and Primary Aluminium sectors, it combines excellent thermal efficiency with high compressive strength.