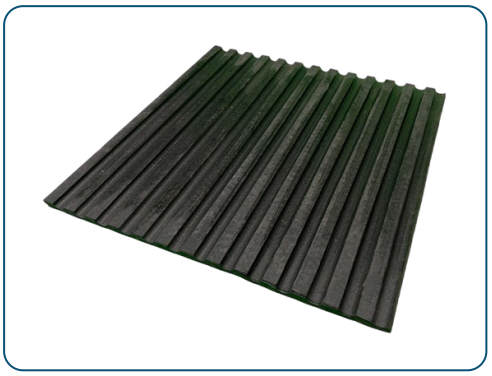
BARNVALE
DESIGN AND INNOVATION

TECHNICAL SPECIFICATION

Isolating Pads Neoprene & Cork





Neoprene Isolating Pads			
Component	**Material**	**Grade**	**Size**
Elastomer	Polychloroprene	Commercial	400 x 400 x 12
Elastomer	Polychloroprene	Commercial	400 x 400 x 24

Performance

The pads are rated to accept a vertically downward load of up to 12 Kg/cm² depending on the series employed. At the rated load the element will deflect to the design deflection +/- 10%. The pad is not rated for horizontal, axial or extension load.

The full details of the design are available under certain circumstances upon written request to our offices. Whilst there is an overload safety capacity of not less than 20% of the rated load it is not good practice to overload the pad.

The shore hardness of the pad is 85 Degrees

Operational & Maintenance Instructions

The pads once installed and levelled do not require any onward operational procedures. They should, however, be checked for signs of degradation at regular intervals and replaced when necessary.

The pads are supplied with a standard 1 year warranty, however, when correctly installed and levelled they should provide you with many years of serviceable life and often outlive the equipment they are supporting.

Cork Isolating Pads	
Grade	CC 2006
Physical Characteristics	
Colour	Red with cork points
Cork Granule Size (mm)	0.5 to 1
Binder	Nitrile Rubber
Durometer Shore A	65 - 75
Compression at 400 PSI (%)	25 - 35
Recovery (%)	80
Tensile (kg/cm²)	23.5
Test according to ASTM F104	
Volume change after immersion (%)	
ASTM Oil 1 70hrs @ 100°C	-2 to +10
ASTM Oil 3 70hrs @ 100°C	-2 to +15
ASTM Fuel at 22 hrs at R.temp	-2 to +10
Min to Max Working Temp (°C)	-60 to +350
Temperature Range	
-20°C to +120°C	
Thermal Conductivity	0.79 W/m°C

General Information and Application

Low compressible medium density cork and rubber material for noise and vibration control, with excellent oil and fuel resistance.

Vibration control in technical equipment rooms, vibration isolation for machinery IE: Pumps, Presses, Looms & Motors, Runways, rail & subway isolation pads. Building acoustic suspension elements & systems for walls, Ceilings, Pipings etc.

Standard Sizes

1000mm x 1000mm Anti-Vibration Cork Pads 10mm Thick
1000mm x 1000mm Anti-Vibration Cork Pads 20mm Thick