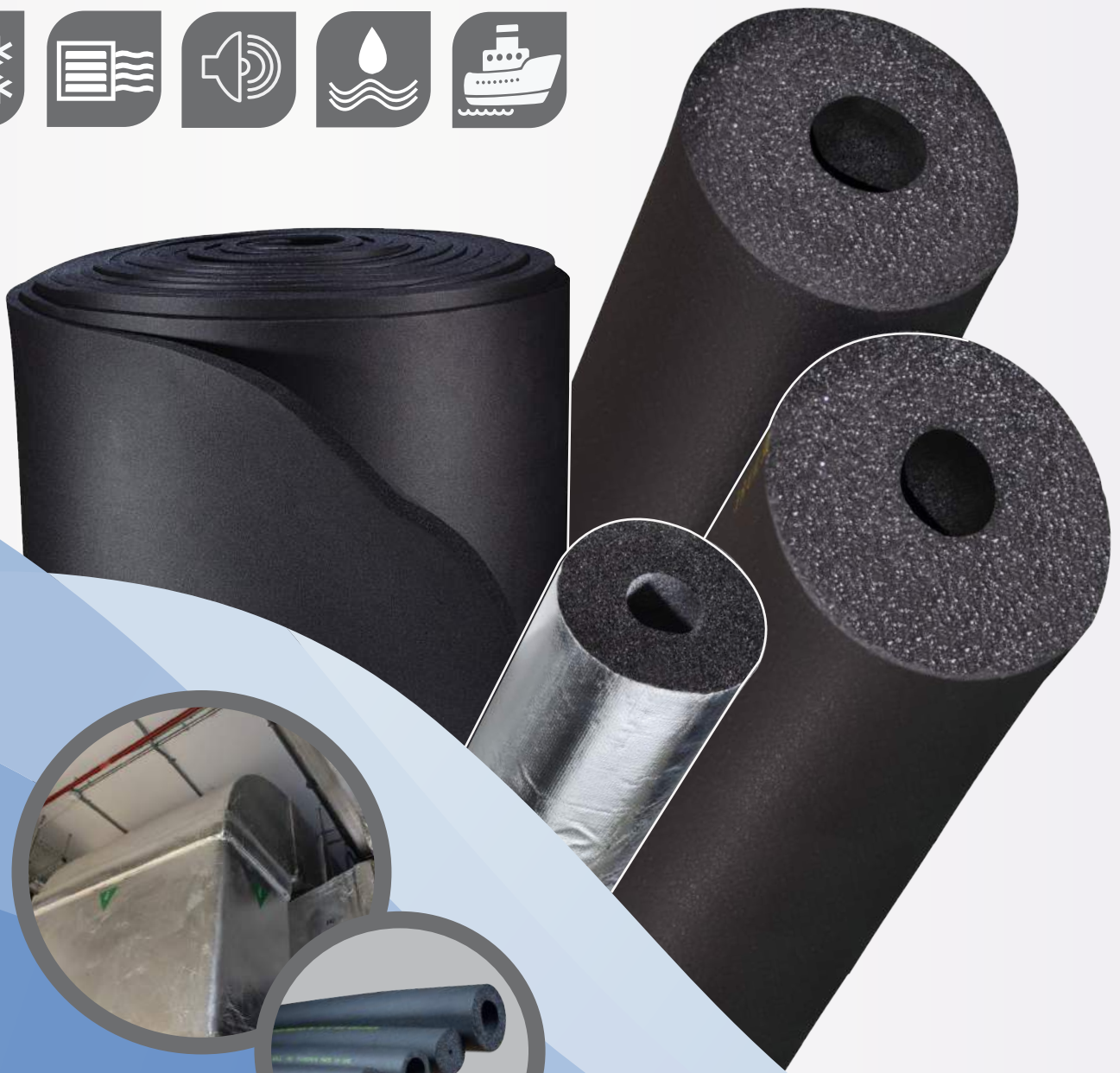


FLEXI**CELL**

NBR INSULATION

***FLEXIBLE CLOSED CELL
ELASTOMERIC FOAM***



AS/NZS 1530.3

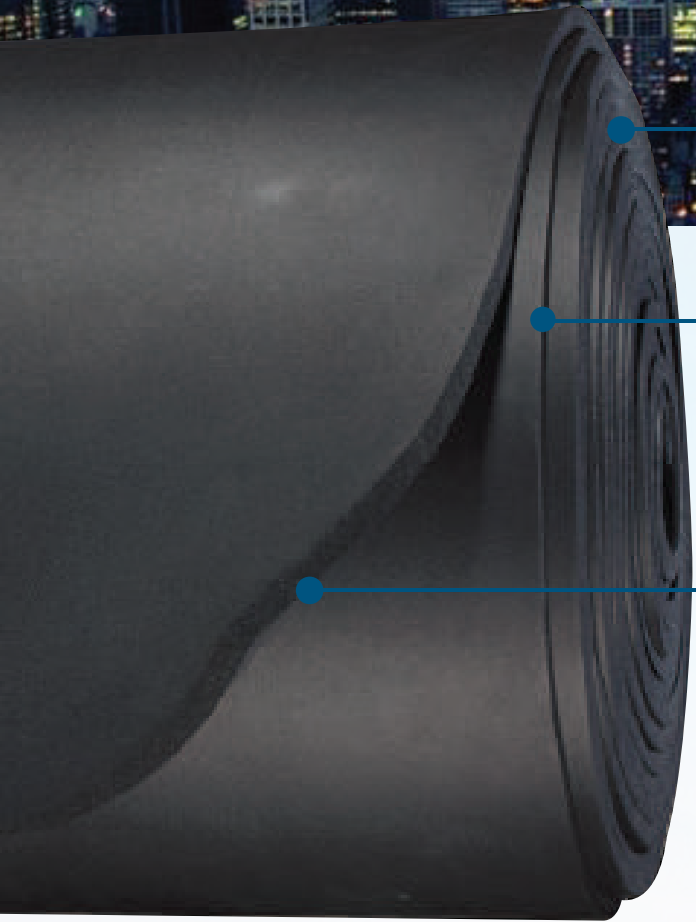




Noise control
properties

VOC, ODP & GWP
Compliant

Very flexible
foam insulation



Very secure joints
when recommended
glue is used

Built-in water
vapour barrier

Excellent thermal
performance





FIRE RESISTANCE

Flexicell NBR is rated Class O as per BS 476 Part 6 & 7 for spread of flame and fire propagation. Flexicell NBR meets AS1530.3 - early fire hazard properties of materials.



EXCELLENT THERMAL EFFICIENCY

Flexicell NBR has a unique closed cell structure, which results in a very low thermal conductivity. This ensures excellent thermal performance.



ENVIRONMENTALLY FRIENDLY

Flexicell NBR is CFC & HCFC free, fibre free, dust free and resistant to mould and fungi growth. Flexicell has very low ODP (Ozone Depletion Potential) & GWP (Global Warming Potential).



HIGH WATER VAPOUR DIFFUSION RESISTANCE

Flexicell NBR is compounded to achieve a high water vapour diffusion resistant through its closed cell structure and dense outer skin. This helps maintain a consistent thermal performance and a long service life.



EASE OF INSTALLATION

Flexicell NBR is quick and easy to install due to its high flexibility, dimensional stability & smooth surface skin. It can be applied on pipes, ducts and tanks.

Flexicell NBR is a flexible closed cell thermal insulation material for condensation control in air-conditioning, refrigeration & chilled water installations. It is also suitable for reducing thermal losses in heating and other plumbing systems. The combination of its technical properties - a low thermal conductivity & a high resistance to water vapour transmission - & its competitive price, makes it a cost-effective energy-saving solution.

The **Flexicell** NBR range cover the majority of pipes sizes used in these types of installations.

TECHNICAL DATA

Description: Flexible closed cell elastomeric insulation with high water vapor diffusion resistance and low thermal conductivity.

Self-adhesive coating: Pressure-sensitive adhesive coating provided with PE release liner.

Applications: Insulation / protection for pipes, air ducts, vessel (incl. elbows, fittings, flanges etc.) of air conditioning / refrigeration and process equipment to prevent condensation and energy loss.

Property	Value/ Assessment	Tested acc. to:
Temperature Range Max. Line Temperature Min. Line Temperature Our Customer Service Center should be consulted for applications with temperatures below -50°C	+105°C -80°C	DIN EN 14706 ASTM C534 TYPE 2 GRADE 1
Thermal Conductivity (W/mK) at 24°C	0.033	ASTM C518
Water Vapour Diffusion Resistance Factor (μ)	>17,000	BS EN 12086
Water Vapour Permeance [perms]	0	ASTM E96
Water Absorption [% by volume]	0.06	ASTM C209
Density	45 - 70 kg/m ³	
Reaction to Fire Ignitability Spread of Flame Heat Evolved Smoke Developed	0 0 0 3	AS / NZS 1530.3
Smoke and Toxicity	Passed	IMO MSC 61(67)
Resistance to Fungi	Passed	ASTM G21
Resistance to Bacteria	Passed	ISO 22196
Corrosion Risk	pH Neutral	DIN 1988
Leachable Chlorides	<0.05% water soluble chloride ions	DIN 1988
Emission (VOC level)	Very Low	ASTM D5116
Environment Friendly Ozone Resistance Ozone Depletion Potential (ODP) Global Warming Potential (GWP) CFC & HCFC, Dust, Fibres	Excellent 0 < 5 Free	
Shelf Life Store in dry, clean and ventilated place. Do not expose to direct sunlight.	1 year for self-adhesive sheets/rolls, self adhesive tapes	

Note: All outdoor applications of Flexicell Elastomeric foam need to be protected by Flexicell approved paint or cladding. Flexicell BR is available in Aluglass & Clad.

Disclaimer: This information on Hira Industries products is presented to the best of our knowledge. All product data is based on average values and is for guidance only. As these products are subject to constant research and development, we reserve the right to update the contents without notice.

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