

PIR Foam Valve Covers

IBSL would like to introduce their expanded PIR foam, factory made, rigid pre-formed valve covers. The covers are moulded from expanded PIR foam which forms a dense, non absorbent outer skin encasing a fine grained cell matrix. Even when cut a 94% closed cell structure exists - resisting moisture penetration. The covers are easily fitted and secured with Velcro straps making access for inspection or service of the valve simple.

Although much stronger than most conventional materials with a density of 60kg/m³, the covers can be trimmed or modified with a sharp knife. To maintain the vapour seal, a bead of mastic must be applied to the mating surfaces.

The covers are coloured grey to match metallic insulation cladding but can be pigmented green to suit chilled water services. In external situations we recommend the cover is painted as additional protection from UV.



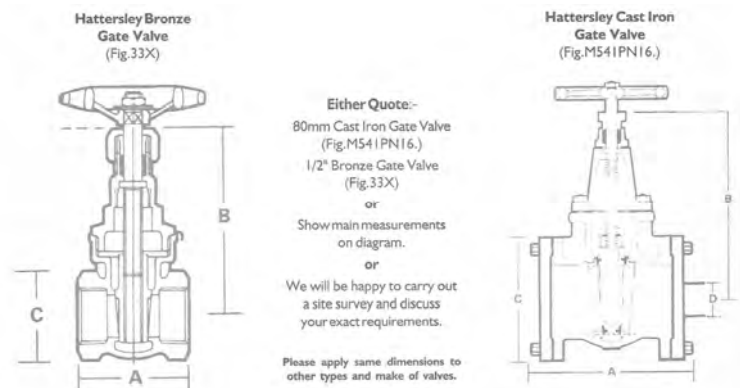
Product Characteristics

	Expanded PIR Foam
Nominal Density (m³):	50 - 60 kg
Colour:	Grey / Pigmented to suit
Moisture Vapour Transmission	38°C 88% relative Humidity (cut surface) - 1.6 Perms/2" Thickness
Vapour Seal	When joining the two halves apply a flexible mastic to the mating surface. Also apply to joints around the pipe and valve stem.
Thermal Conductivity 10°C (.d)	0.023 W/M.k
Fire Properties	BS476 Part 7 1971 Class 1, Surface spread of flame. BS476 Part 5 1979, Ignitability Class P.
Closed Cell Strength	(cut surface) 94%
Temperature Limits	- 10°C to +120°C

www.IBSLGroup.co.uk

EXAMPLE OF HOW TO ORDER

Use any of the following methods for specifying sizes required.



Product Benefits

- Thermal efficiency.
- Condensation defence.
- 94% Closed Cell when cut.
- Easy Access for maintenance.
- Customised to suit.
- Dimensionally Stable.
- Lightweight, Strong & Rigid.

VALVE TYPES

- Double Regulating
- Commissioning Sets
- Butterfly
- Ball
- Gate
- Non Return
- 3 - way
- Strainers & Expansion Bellows

Contact Details

Insulation & Buoyancy Services Ltd

Unit 14D, Double Row
Delaval Trading Estate
Seaton Delaval, Northumberland,
NE25 0QT, England.

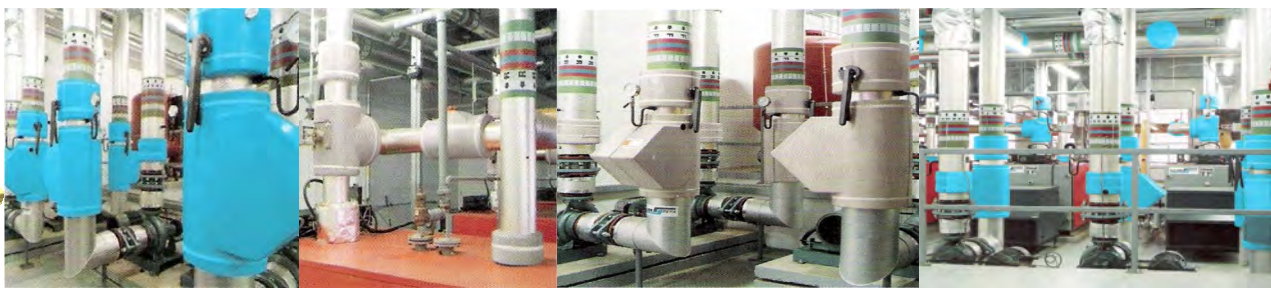
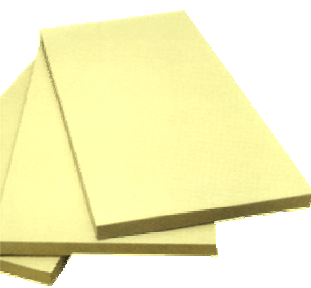
Tel: +44 (0)191 237 0444

Fax: +44 (0)191 237 3300

Email: Steve@ibslgroup.co.uk

Email: John@ibslgroup.co.uk

The information in this document is issued in good faith. IBSL Group can accept no responsibility for omissions, errors of content or errors of interpretation. All trade names and trade marks have been used with permission. Please consult with material manufacturer for detailed information.



PIR Foam Insulation



www.IBSLGroup.co.uk

Physical & Chemical Properties

Form (20°C)	Solid Foam
Colour	Yellow
Odour	None
pH-value	Not Applicable
Boiling point	Not Applicable
Flash Point	>100°C
Explosion limits	Not Determined
Vapour Pressure	Not Applicable
Solubility in water	Non Soluble
Solubility (misc.)	Not Determined
Auto ignition temperature	Appr. 500°C
Relative density (water=1)	0.03—1.1
Viscosity (20°C)	Not Applicable

Hazard Identification	Not Classified as dangerous according to EEC regulations.
Fire Fighting Measures	Extinguishing media: All available media allowed. Combustion products: Carbon monoxide, HCN and possible other toxic gases. Fire Fighting Protective Measures: Suitable respiratory protection with positive air supply.
First Aid Measures	Inhalation: N/A Skin Contact: N/A Eye Contact: Immediately rinse with fresh water for at least 15 minutes. Obtain medical attention if irritation appears.
Handling & Storage	Handling: Normal industrial standards. Storage: Do not store in direct sunlight.
Exposure Controls & Personal Protection	Recommended maximum expose: 10 mg/m ³ Ensure adequate ventilation. Wear suitable respiratory equipment when dust is generated. (According to EN149 : FFP1 or FFP2).
Stability & Reactivity	The product is stable. Hazardous thermal decomposition products: not likely under normal industrial use.
Toxicology Information	No toxicology information data are available for this and similar products.
Ecological Effects	Under normal industrial use it is not likely that this product acts as a environmental pollutant.
Disposal Considerations	Disposal should be in accordance with local authorities.
Transport Information	Not listed as a hazardous substance (ADR/RID, IMDG, IATA).
Regulatory Information	None

Other Information

It is recommended that the information mentioned in this form should be passed on to customers or users.

The information contained herein is given in good faith and to the best of our knowledge but no warranty, expressed or implied, is made.

Product Benefits

- Dimensionally Stable
- Closed cell Structure & excellent moisture resistance
- Lightweight, Strong & Rigid
- Resistant to many chemical solvents and oil
- Low thermal conductivity
- Non Fibrous
- Oil Resistant
- Proven Track Record

**Contact Details****Insulation & Buoyancy Services Ltd**

Unit 14D, Double Row
Delaval Trading Estate
Seaton Delaval, Northumberland,
NE25 0QT, England.

Tel: +44 (0)191 237 0444

Fax: +44 (0)191 237 3300

Email: Steve@ibslgroup.co.uk

Email: John@ibslgroup.co.uk

The information in this document is issued in good faith. IBSL Group can accept no responsibility for omissions, errors of content or errors of interpretation. All trade names and trade marks have been used with permission. Please consult with material manufacturer for detailed information.

