

BRUFMA
KNOWLEDGE IN INSULATION

Membership Information Pack

BRITISH RIGID URETHANE FOAM MANUFACTURERS ASSOCIATION LIMITED

A company Limited by Guarantee. Registered in England No. 1369401. Vat Registration No. 305 7710 74
Registered Office: Units 10-12 County End Business Centre, Jackson Street, Springhead, Oldham OL4 4TZ



About BRUFMA

The British Rigid Urethane Foam Manufacturers' Association (BRUFMA) is the representative body for the Rigid Polyisocyanurate (PIR) and Polyurethane (PUR) industry in the United Kingdom.

Our membership comprises all of the major companies in the industry, including manufacturers of finished PIR and PUR insulation products, suppliers of the various raw materials and associated services.

BRUFMA's purpose is to create a positive and dynamic business environment for the PU/PIR industry in the UK.

This is achieved through:

- **Promotion** - of the benefits of PIR/PU insulation products to all stakeholders and representing the industry in the development of appropriate product and application standards
- **Information**- providing independent and balanced information and education on the PIR/PU industry and its products
- **Research** – to further the development of the PIR/PU insulation industry and market by investment in collaborative research and educational projects, spanning stakeholders across Europe

All BRUFMA members sign up to a **Code of Conduct** (see page 11) which seeks to ensure that the highest standards of honesty and integrity are maintained.

Over the years BRUFMA has built up a great deal of credibility with many government and non-governmental organisations (NGOs) involved in the legislative areas affecting the production and use of PIR/PUR insulation products.

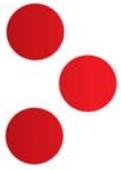
BRUFMA is a member of PU Europe and the Construction Products Association.

BRUFMA was formed in 1967 and incorporated as a Limited Company by Guarantee on 18th May 1978.



Membership benefits

- A collective voice for the PUR industry
- Support and information exchange with other industry colleagues
- Opportunity to influence Government bodies and NGO's via a variety of committees
- Direct input into relevant British Standards committees
- Access to the BRUFMA members only area which stores a huge catalogue of documents
- Direct access to the European Polyurethane Association "PU Europe"
 - Position statements
 - Representation in European Technical Committees
 - Research projects and reports
- Access to the Construction Products Association (CPA) allowing
 - Attendance at CPA meetings
 - Attendance at networking events
 - Access to the CPA members only area of the website
 - Access to use market statistics and monthly trends in the construction industry as a whole
- Opportunity to get early warning of possible opportunities or threats for the industry
- Half price British Standards via BRUFMA's membership
- Networking opportunities
- Social events
- Regular updates keeping members up-to-date with all aspects of the industry



The importance of BRUFMA to the industry

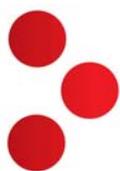
The credibility of BRUFMA, built up over a period of years, is extremely high in many important areas of government and non-governmental organisations (NGO's) which are involved in the legislative areas affecting the production and use of PIR/PUR insulation products.

A major strength is that it has become accepted that BRUFMA representatives speak on behalf of all types of PIR/PUR products, including flexible faced insulation boards, slabstock and in-situ applied insulation as well as products for other ancillary uses such as buoyancy applications and pipework. It is the only trade association which offers such a broad representation, a factor which is also appreciated by many influential European organisations. This is believed to be a very important factor in allowing BRUFMA members to have had a significant impact in shaping many issues over the years, which had they gone unchecked would have put the industry at a significantly worse competitive advantage than it now holds.

A continuous and major threat to the industry is from the mineral wool insulation sector representatives in UK and Europe (MIMA and Eurima), who provide an extremely strong lobbying organisation, which over the years has posed significant obstacles to the PIR/PUR insulation industry. They have found this necessary because of the threat to themselves from the overall much superior properties of PIR/PUR insulation, and have attempted to exploit any perceived weakness for example in fire issues, chemical safety issues and so on. For this reason it is important to have a credible and consistent voice across the whole of the PIR/PUR insulation sector.

BRUFMA membership offers the opportunity for the experts of its member companies to participate in a wide range of BSI, governmental and NGO committees through which they can lobby and so influence the major decision making processes which are affecting and will continue to affect the industry. This includes high level involvement in the drafting and regular revision of British and European standards, revision of the Approved Documents which constitute the Building Regulations, influence on emerging issues such as the new waste and landfill regulations, and other important environmental areas. Much of the work done by BRUFMA is strategic and defensive in nature. Preventing issues from occurring by involvement at the very earliest stages is highly important to an industry.

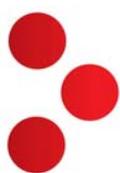
As some Government bodies are restricted from dealing with individual companies, it is vital that any company which does want such influence is represented by a recognised and respected trade association. Whilst it is recognised that there are associations other than BRUFMA which could be used as a vehicle for this activity, BRUFMA is the only one to offer the specific focus on PIR/PUR insulation, but which encompasses the whole industry sector. This is particularly important when dealing with many of the wider issues which affect the whole industry, not just those affecting specific products or markets.



Specific and important BRUFMA activity:

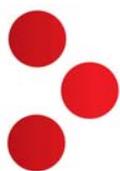
Below are some of the specific areas of activity in which BRUFMA and its representatives have had major involvement in recent times. Some are on-going work items which if left unchecked could have major impacts on the industry. In some cases these areas may affect all polyurethane products although some issues affecting specific market sectors have been highlighted.

BRUFMA contribution	Industry benefit
<p>Di-isocyanate processes guidance note PG6/29</p> <p>Representation and lobbying by BRUFMA resulted in the exclusion of emission limits for pentane and HFCs from PG6/29 (the Secretary of states guidance note for di-isocyanate processes). Without BRUFMA involvement it is highly likely that each manufacturing plant would have needed to install expensive abatement equipment in order to minimise any atmospheric emissions of volatile organic compounds (VOCs) from the factory site. This equipment is also costly to maintain and calibrate.</p> <p>Another important offshoot of this is that it allows the manufacturers who wish to do so to continue to compact or briquette their foam production wastes without the need to abate the small release to atmosphere of blowing agents which occurs in this process.</p>	<p>This alone resulted in an estimated cost saving for one large member company of at least £1,500,000 (based on cost of suitable abatement equipment of £500,000 per lamination plant), and the additional saving on an annual basis of the running costs, maintenance costs and testing and calibration costs of the equipment.</p> <p>Costs savings to the whole industry of course are proportionately greater.</p>
<p>BS 4841 standards for insulation boards</p> <p>BRUFMA members have been extremely influential in the drafting of the six parts of this standard which deal with:</p> <p>Part 1 Boards with facings for use as thermal insulation for wall cavities</p> <p>Part 2 Boards with facings for use as thermal insulation for internal wall linings and ceilings</p> <p>Part 3 Roofboards facings for use as thermal insulation under built-up bituminous roofing membranes</p> <p>Part 4 Roofboards with facings for use as thermal insulation under non-bituminous single-ply roofing membranes</p> <p>Part 5 Roofboards with facings for use as thermal insulation boards for pitched roofs</p> <p>Part 6 Boards with facings for use as thermal insulation boards for floors</p> <p>These have been designed so as not to conflict with the European Standard EN 13165 but place limit values on key properties.</p>	<p>These are performance related standards which give manufacturers the opportunity to demonstrate compliance not only with the European Standard EN 13165 but with specific performance related requirements which may be called upon in legislation or elsewhere.</p>



Specific and important BRUFMA activity: Examples

BRUFMA contribution	Industry benefit
<p>Waste and landfill legislation. Current factory production</p> <p>The BRUFMA test programme for waste products was set up to characterise the leaching behaviour of typical waste foam products, which included a wide range of blowing agent and facing types including both flexible and steel facings, to quantify requirements for the Landfill Regulations 2005.</p> <p>BRUFMA is also very involved in the interpretation of the legislation and for setting up and maintaining a contact with key personnel in both DEFRA and the Environment Agency. The test results and the interpretation of the legislation have helped in supporting claims that current factory waste is non-hazardous.</p> <p>This classification also applies to off-cuts of panels which may be generated on construction sites.</p>	<p>There is a major cost saving in allowing landfilling of factory waste to continue, particularly landfilling as non-hazardous waste in non-hazardous landfill, which appears likely will be allowed to continue until the introduction of Waste Acceptance Criteria (WAC) for non-hazardous waste. It is highly important to maintain a high level of involvement in this area, as it is believed additional criteria will be introduced.</p> <p>The cost savings accrue against the alternative methods of disposal, which could include landfilling in hazardous waste sites or incineration, both much higher costs.</p> <p>Actual cost savings are not known, as this depends on the level of waste. An estimate for a large manufacturer is in the region of £300,000 to £500,000 on an annual basis.</p>
<p>BIFREP (Building Insulation foam Resource Efficiency Panel)</p> <p>BRUFMA actively participated in the development of a Building Insulation foam Resource Efficiency Plan, in conjunction with BRE, WRAP and other stakeholders.</p>	<p>This was done to demonstrate industry commitment to reducing waste and particularly reducing waste to landfill. The industry has set itself goals, the achievement of which is monitored by regular meetings of the BIFREP group organised by WRAP.</p>
<p>Waste and landfill legislation / Construction and demolition waste containing CFC/HCFC</p> <p>The waste test programme also included foam which had been blown with chlorofluorocarbons (CFCs). The issue here is different from that above as the older blowing agents are considered hazardous to the environment and are thus treated separately. This is very much a live issue, and BRUFMA is working hard to get the best outcome for the industry by working together with the Environment Agency and DEFRA.</p>	<p>The leaching test results provide supporting evidence that products do not contribute to problems in landfill sites.</p> <p>The Government is driving hard to increase the amount of waste which is incinerated, which at the moment would appear to be less attractive both to the industry and the environment. Benefits here are financial, as incineration is currently an expensive option, but it is also believed that good responsible environmental awareness and stewardship is highly important for today's producers and industry stakeholders.</p>

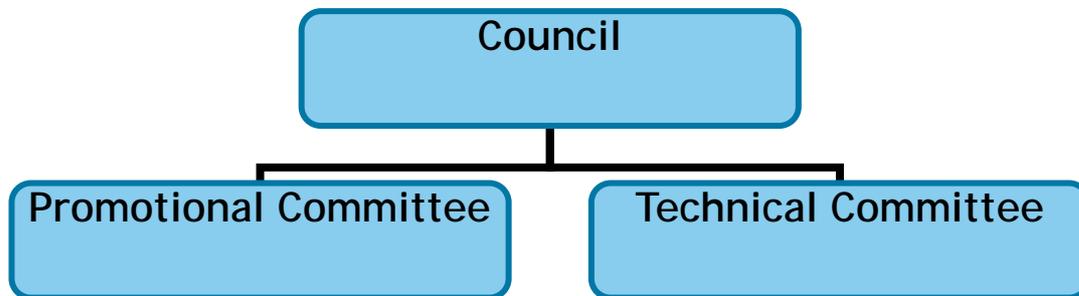


Specific and important BRUFMA activity: Examples

BRUFMA contribution	Industry benefit
<p>REACH</p> <p>The REACH proposal aims to set up a Europe-wide comprehensive system for the Registration, Evaluation, Authorisation and restriction of CHemicals. The European Parliament has adopted the compromise it negotiated with Council on the new regulation for chemicals, REACH, which will oblige producers to register all those chemical substances produced or imported above a total quantity one tonne per year. Registration will affect about 30,000 substances. For more hazardous substances, producers will have to submit a substitution plan to replace them with safer alternatives. When no alternative exists, producers will have to present a research plan aimed at finding one. The regulation entered into force progressively from June 2007, and the registration process will take 11 years to be completed. All covered substances will have to be registered by 2018.</p>	<p>Keeping abreast of the changes in this legislation ensures that the views of members are taken into account and that members are informed of the need to liaise with their suppliers to ensure compliance.</p>
<p>Dangerous substances</p> <p>Another important area which is very active at the moment is the new European legislation on emissions of Dangerous Substances associated with construction products. BRUFMA is actively involved in these areas via BSI Committee B/557 and CEN Committee CEN/TC251, attempting to inform members and influence the outcome of any forthcoming decisions.</p>	<p>Being involved in the dangerous substances negotiations at a very early stage ensures that the industry has complete knowledge of the process and is able to positively influence outcomes.</p>



BRUFMA structure



Staff

Chief Executive and Company Secretary	- Vacant
Assistant Chief Executive	- Ms Mel Price

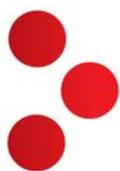
Council

The Council is the main decision making body for the Association. It consists of one nominee from each Member Company. Full members have voting rights at Council meetings. It's members are responsible for keeping their Companies informed of BRUFMA policies and decisions and for briefing BRUFMA on their Company's views.

Technical Committee

This sub-committee discusses and makes recommendations to the Council through the Management Committee on matters of general interest to the formulation and end use of PUR/PUR insulation products. Examples of some of the subjects covered in this sub-committee are:

- thermal conductivity
- blowing agents
- standards for laboratory assessment procedures
- test methods
- waste management and recycling policies and legislation
- factory made insulating laminates for walls, ceilings and floors
- cavity insulation products
- sprayed and dispensed insulation for chemical plants
- steel faced composite insulation panels for building envelopes
- cold store cladding and insulated vehicles
- sprayed PUR/PUR insulation for buildings (for roofs, floors and walls)
- health and safety issues



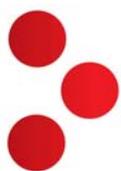
Funding

Funding is decided annually by the Council, and any funds generated are adjusted solely to cover the costs in running the organisation, to carry out testing and to publish and distribute promotional material, as deemed necessary by the appropriate committees. BRUFMA is a non-profit making organisation, and the funding is adjusted to reflect this.

Fees for 2016 are as follows

Producers	
<i>Tonnes chemical used</i>	
0-2,000	£3,000
2,001-5,000	£6,400
5,001-20,000	£23,200
20,001-40,000	£38,400
Suppliers	
<i>Tonnes chemical sold</i>	
0-2,000	£3,000
2,001-10,000	£6,400
10,001-20,000	£23,200
Associates	£5,680

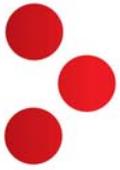
For individual projects (e.g. testing and research and promotional activities) additional funding is assessed on a project by project basis by the Council.



Categories of membership

Membership is either "Full Corporate" or "Associate" at the discretion of the Council. An Associate shall have the right to attend General Meetings but not to vote and qualifies for membership of the Council. Members shall be Persons, Firms or Companies in one or more of the following five categories of membership.

Category A	Manufacturers of rigid polyurethane or isocyanurate foams as board, slabstock or mouldings for thermal insulation.
Category B	Manufacturers of all or any products or goods manufactured from or incorporating rigid polyurethane or isocyanurate foams.
Category C	Producers and/or suppliers of all or any materials utilised in the manufacture of rigid polyurethane or isocyanurate foams.
Category D	Producers and/or suppliers of equipment and/or services destined to be used in the manufacture of rigid polyurethane or isocyanurate foams.
Category E	Trade bodies representing any of the categories A, B, C or D.
Category F	Associate member



Code of Conduct for BRUFMA members

1. Introduction

BRUFMA's purpose is to create a positive and dynamic business environment for the PU/PIR industry in the UK.

The BRUFMA code outlines the standards expected from its Member Companies wherever in the world they conduct business. It seeks to ensure that the highest standards of honesty and integrity are maintained.

BRUFMA (The British Rigid Urethane Foam Manufacturers Association) was established in 1978 as a trade association to represent the manufacturers of the wide range of PIR/PU products produced in the UK. Its membership comprises the major companies in the industry, both manufacturers of finished insulation and ancillary products and suppliers of the various raw materials.

All members of BRUFMA are required to sign up to The Code.

2. Principles and values

All BRUFMA members agree to:

- Develop and maintain best practice in respect of Health and Safety, Environmental and Sustainability policies and practices.
- Conduct business in a professional manner, respecting the reputation of the industry along with that of the other businesses which they come in contact with;
- Commit to improving the performance and reputation of the industry;
- Comply with all applicable laws and regulations in all countries in which they operate;
- Work with suppliers, third parties and other stakeholder agencies to ensure high industry standards are maintained, and at all times ensure that competition and other national and international laws are respected and fully complied with.
- Develop and maintain best practice in procurement, design, application and end use phases of the PIR/PU product life cycle.
- Work with the industry and wider stakeholders to promote education of all stakeholders in the safe and efficient use of PIR/PU Insulation products.
- Ensure that all claims regarding product performance are true and accurate and can be fully substantiated.
- To be "good neighbours" and engage proactively with stakeholders local to their premises.

- Support BRUFMA “best practice” guides.
- Deal with all stakeholder feedback in a professional and timely manner in accordance with published company specific procedures.

Third party certification and accreditation

All BRUFMA PIR board manufacturers are assessed and accredited with the following standards

- ISO 9001: Quality management
- Manufacture in accordance with BS EN 13165
- ISO 14001: Environmental management
- Third Party Certification for individual product types (e.g. BBA certification, BRE Certification/ Approval or equivalent), where appropriate

In line with European legislation all BRUFMA product manufacturers agree to CE mark all products which are manufactured in accordance with a harmonised European norm (hEN) or a European Technical Assessment (ETA).

Technical Services

All BRUFMA PIR board manufacturers are able to provide:

- Technical Experts to assist in design and construction features at design or construction phase
- U value Calculations in accordance with BR 443
- A or A+ ratings in BRE Green Guide to specification
- BIM objects and data (where applicable)
- Technical Datasheets