

Rigid polyurethane (PUR) foam produced by the press injection method —

**Part 1: Specification for PUR foam for
insulated panels for transport
containers and insulated vehicle bodies**

Confirmed December 2009

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Plastics and Rubber Standards Policy Committee (PRM/-) to Technical Committee PRM/72 upon which the following bodies were represented:

- Association of Building Component Manufacturers
- Brick Development Association
- British Board of Agrément
- British Plastics Federation
- British Rigid Urethane Foam Manufacturers' Association
- Calcium Silicate Brick Association Limited
- Cavity Foam Bureau
- Chief and Assistant Chief Fire Officers' Association
- Department of the Environment (Building Research Establishment)
- Department of the Environment (Construction Industries Directorate)
- Engineering Equipment and Materials Users' Association
- Flat Roofing Contractors' Advisory Board
- Loss Prevention Council
- Ministry of Defence
- National Cavity Insulation Association
- National Federation of Roofing Contractors
- National House-building Council
- Phenolic Foam Manufacturers' Association
- Polyethylene Foam Insulation Association
- Royal Institute of British Architects

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- British Ceramic Research Ltd.
- British Urethane Foam Contractors' Association (BUFCA)
- Department of the Environment
- Department of the Environment (Property Services Agency)
- RAPRA Technology Ltd.

This British Standard, having been prepared under the direction of the Plastics and Rubber Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 February 1993

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Foreword

This Part of BS 6586 has been prepared under the direction of the Plastics and Rubber Standards Policy Committee and supersedes BS 6586-1:1985 which is withdrawn.

Although this standard continues to be primarily for quality assurance uses with guidance included for those involved in design work in Annex A, in this revision a designation system has been introduced whereby the manufacturer declares the thermal conductivity in a coded form.

This Part also contains guidelines (in Annex B and Annex C) on burning properties and fire hazards. These guidelines are in accordance with the principles recommended in BS 6336.

Attention is drawn to BS 4840-1 which specifies requirements for rigid polyurethane (PUR) foam produced in slab form for use in transport containers and insulated vehicle bodies. For the insulation of refrigerator cabinets, cold rooms and stores, attention is drawn to BS 4840-2, BS 2501 and BS 2502.

WARNING. Adequate fire precautions should be taken when repairing any structure containing polyurethane or polyisocyanurate foams. Do not use welding or flame cutting equipment or any other appliances involving naked flames or involving hot air welders.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.