Specification for

Preformed cellular polyethylene (PE) materials for the thermal insulation of pipework



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 Agrement

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 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 sub-committees and panels:

Institute of Plumbing

Thermal Insulation Manufacturers' and Suppliers' Association (TIMSA)

Thermal Insulations Contractors' Association

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 31 October 1991

© BSI 1991

The following BSI references relate to the work on this standard: Committee reference PRM/72 Draft for comment 88/43770 DC

ISBN 0 580 20123 6

Amendments issued since publication

Amd. No.	Date	Text affected
	<u> </u>	

Contents

		Page
Cor	nmittees responsible	Inside front cover
For	eword	2
Spe	ecification	
1	Scope	3
2	Composition	3
3	Types	3
4	Dimensions and tolerances	3
5	Physical properties	3
6	Condition and appearance	3
7	Sampling	3
8	Pipe sections	3
9	Marking	3
Ap	pendices	
A	Factors affecting the thermal conductivity	5
В	Method for the determination of thermal conductivity	5
\mathbf{C}	Burning properties of polyethylene (PE) cellular material	s 19
D	Notes for designers	19
Tab	les	
1	Dimensional tolerances for pipe insulation	3
2.	Physical properties	4
3	Symbols and units	7
Fig	ures	
1	Guarded end apparatus	9
2	Calibrated or calculated end apparatus	10
3	Nukiyama correction	17