

Specification for

Unplasticized PVC pipe —

For industrial uses

Confirmed
January 2009

Co-operating organizations

The Plastics Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

Board of Trade	Oil Companies Materials Association*
British Electrical and Allied Manufacturers' Association	Plastics Institute
British Plastics Federation*	Post Office
Electrical Research Association	Royal Institute of British Architects*
Engineering Equipment Users' Association*	Royal Institute of Public Health and Hygiene
Ministry of Defence, Army Department*	Rubber and Plastics Research Association of Great Britain
Ministry of Defence, Navy Department*	Society of Motor Manufacturers and Traders Ltd.
Ministry of Public Building and Works, Building Research Station*	Surface Coating Synthetic Resin Manufacturers' Association
Ministry of Technology	

The Government departments and scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

Agrément Board	Institute of Brewing
Associated Master Plumbers and Domestic Engineers	Institute of Plumbing
Association of Industrialized Building Component Manufacturers Ltd.	Institution of Civil Engineers
Association of Public Health Inspectors	Institution of Municipal Engineers
British Chemical Plant Manufacturers' Association	Institution of Public Health Engineers
British Mechanical Rubber Manufacturers' Association	Institution of Water Engineers
British Rubber Manufacturers' Association Ltd.	Lloyd's Register of Shipping
British Waterworks Association	Milk Distributive Council
Chemical Industries Association	Milk Marketing Board
Copper Tube Fittings Manufacturers' Association	Ministry of Agriculture, Fisheries and Food
Dairy Engineers' Association	Ministry of Housing and Local Government
Department of Health and Social Security	Ministry of Public Building and Works
Food Manufacturers' Federation (Inc.)	National Coal Board
Gas Council	National Federation of Plumbers and Domestic Heating Engineers (Employers)
Gas List Tube Association	National Institute for Research in Dairying
Greater London Council	Plastic Pipe Manufacturers Society
	Royal Society for the Promotion of Health
	Society of Builders Merchants
	United Kingdom Atomic Energy Authority
	Water Companies' Association
	Water Research Association

This British Standard, having been approved by the Plastics Industry Standards Committee, was published under the authority of the Executive Board on 30th September 1969

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Foreword

In order to keep abreast of progress in the industries concerned, British Standards are subject to periodical review. Suggestions for improvements will be recorded and in due course brought to the notice of the committees charged with the revision of the standards to which they refer.

A complete list of British Standards, numbering over 5 000, fully indexed and with a note of the contents of each, will be found in the British Standards Yearbook, The BS Yearbook may be consulted in many public libraries and similar institutions.

This standard makes reference to the following British Standards:

BS 509, *Acetone*.

BS 2782, *Methods of testing plastics*.

BS 3505, *Unplasticized PVC pipe for cold water services*.

BS 3867, *Dimensions of pipes of plastics materials (outside diameters and pressure ratings)*.

BS 4159, *Colour marking of plastics pipes to indicate pressure ratings*.

CP...., *Plastics pipework (thermoplastic material)*¹⁾.

This British Standard has been prepared under the authority of the Plastics Industry Standards Committee. It is based on a draft submitted by the British Plastics Federation. In the present issue, Table 1 specifies dimensions that are in accordance with BS 3867²⁾. These dimensions and also the other requirements of the standard are the same, as far as possible, as those specified in BS 3505³⁾.

Classes B, C, D and E are identical to those specified in BS 3505³⁾ whilst Classes O, 6 and 7 are provided to give dimensions suitable for non-pressure duct applications and for extra thick pipes for hazardous duty and screw threading.

To avoid possible confusion during the period of transition to full metric thinking, it has been decided that the sizes, although dimensioned in metric units, should be designated using nominal size description corresponding to the established values in inches.

Maximum sustained working pressures, tensile strength and hydraulic stress levels are specified in bars⁴⁾ but Appendix H is included giving equivalent values in technical metric and imperial units.

Attention is drawn to CP....⁵⁾ which is being prepared to assist users in assessing the suitability of plastics pipes for particular purposes and to ensure their proper application.

Pipes complying with this standard should not be used to convey potable water, for which purpose pipes complying with BS 3505³⁾ are suitable.

¹⁾ In course of preparation.

²⁾ BS 3867 "Dimensions of pipes of plastics materials (outside diameters and pressure ratings)".

³⁾ BS 3505 "Unplasticized PVC pipe for cold water services".

⁴⁾ 1 bar = 10⁵ N/m².

⁵⁾ CP...., "Plastics pipework (thermoplastic material)".

Part 1, "General principles and choice of material".

Part 2, "Unplasticized PVC". (In course of preparation.)

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 to iv, pages 1 to 12, 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.

