Australian Standard®

Installation of UPVC pipe systems

The following scientific, industrial and governmental organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Department of Construction

Department of Local Government, Qld

Department of Public Works, N.S.W.

Engineering and Water Supply Department, S.A.

Federated Master Plumbers of Australia

Hunter District Water Board

Melbourne and Metropolitan Board of Works

Metropolitan Water, Sewerage and Drainage Board, N.S.W.

Plastics Institute of Australia Inc.

State Rivers and Water Supply Commission of Victoria

This standard, prepared by Committee PL/21, Rigid PVC Pipe, was approved on behalf of the Council of the Standards Association of Australia on 22 March 1977, and was published on 1 November 1977.

**Review of Australian Standards.** To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

This standard was issued in draft form for public review as Doc. 75074.

# Australian Standard®

## Code of practice for Installation of UPVC pipe systems

First published (as AS CA67) 1972 Revised and issued as AS 2032 1977 Incorporated Corrig. 1 1979

#### **PREFACE**

This standard was prepared by the Association's Committee on Rigid PVC Pipe, under the authority of the Plastics Standards Board, as the revision of AS CA67—1972, which it accordingly supersedes. The work was initiated in recognition of the need to metricate AS CA67 and to take account of field practice associated with its use.

The revised standard still covers handling, transport and storage of UPVC pipe. It also states a number of the properties of UPVC pipe and gives indications of areas where the use of UPVC pipe is not recommended. It deals with the installation and jointing techniques applicable to UPVC pipe above or below ground.

In this revision, the above and below ground approach of the former standard has been abandoned in favour of separate sections on pipes for pressure applications; soil, waste and vent (SWV) pipes; sewer pipes; storm, sullage and surface water pipelines; and downpipe; covering both above and below ground installations as applicable. In addition, the installation of pipe as a pipeline liner is covered.

This standard may require reference to the following Australian standards:

AS 1254	Unplasticized PVC (UPVC) Pipes and Fittings for Storm or Surface Water Applications
AS 1260	Unplasticized PVC (UPVC) Pipes and Fittings for Sewerage Applications
AS 1273	Unplasticized PVC (UPVC) Downpipe and Fittings for Rainwater
AS 1415	Unplasticized PVC (UPVC) Pipes and Fittings for Soil, Waste and Vent (SWV) Applications
AS 1477	Unplasticized PVC (UPVC) Pipes and Fittings for Pressure Applications
AS 1529	Installation of Household Type Hot Water Supply Systems
AS 1646	Rubber Joint Rings for Water Supply, Sewerage and Drainage Purposes
AS 1697	SAA Gas Pipeline Code
AS 3000	Part 1—SAA Wiring Rules
AS CA68	Rules for Plastics Pipelaying Design
AS	Definitions of Terms for Water Supply and Sewerage*
AS	Solvent Cements for Use with Unplasticized PVC (UPVC) Pipe and Fittings*

<sup>\*</sup> In course of preparation.

#### © Copyright - STANDARDS AUSTRALIA

Users of Standards are reminded that copyright subsists in all Standards Australia publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia. Permission may be conditional on an appropriate royalty payment. Requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia.

Standards Australia will permit up to 10 percent of the technical content pages of a Standard to be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia.

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia at any time.

### CONTENTS

3

PART 1.	SCOPE, DE	FINITIONS AND MATERIAL REQUIREMENTS	4
PART 2.		RECOMMENDATIONS FOR THE SELECTION AND USE OF E AND FITTINGS	7
PART 3.	JOINTING 1	METHODS	11
PART 4.	INSTALLAT	tion of UPVC Pressure Pipe	
Sect	ion 4.1	General Provisions	16
Sect	ion 4.2	Installation of Pressure Pipes Below Ground	18
Sect	ion 4.3	Installation of Pressure Pipes Above Ground	21
Sect	ion 4.4	Testing of Pressure Pipe Systems	24
PART 5.	INSTALLAT	TION OF UPVC SEWER PIPES BELOW GROUND	
Sect	ion 5.1	General Provisions	26
Sect	ion 5.2	Installation of Sewer Pipes Below Ground	27
Sect	ion 5.3	Testing of Sewerage Pipelines	30
PART 6.		TION OF UPVC PIPE SYSTEMS FOR SOIL, WASTE AND LICATIONS	31
PART 7.		TION OF UPVC STORM, SULLAGE AND SURFACE WATER UNDERGROUND	39
PART 8.	INSTALLAT	TION OF UPVC DOWNPIPE ABOVE GROUND	42
Part 9.	INSTALLAT	TION OF UPVC PIPE AS A PIPE LINER	<b>4</b> 4
Appendi	CES		
A	Recomme	nded Precautions in the Use of Solvent Cements	45
В	The Chem	nical Resistance of UPVC	46



	This is a free preview.	Purchase the e	entire publication	at the link below:
--	-------------------------	----------------	--------------------	--------------------

**Product Page** 

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation