

Plastics piping systems for water supply or drainage and sewerage — Glass-reinforced thermosetting plastics (GPR) based on unsaturated polyester resin (UP) — Recommended practice for installation

ICS 23.040.01; 91.140.80; 93.030

National foreword

This Draft for Development is the official English language version of CEN/TS 14578:2003. It supersedes BS EN 1636-6:2001 which is withdrawn.

This publication is not to be regarded as a British Standard.

It is being issued in the Draft for Development series of publications and is of a provisional nature. It should be applied on this provisional basis, so that information and experience of its practical application may be obtained.

Comments arising from the use of this Draft for Development are requested so that UK experience can be reported to the European organization responsible for its conversion to a European Standard. A review of this publication will be initiated 2 years after its publication by the European organization so that a decision can be taken on its status at the end of its 3-year life. Notification of the start of the review period will be made in an announcement in the appropriate issue of *Update Standards*.

According to the replies received by the end of the review period, the responsible BSI Committee will decide whether to support the conversion into a European Standard, to extend the life of the Technical Specification or to withdraw it. Comments should be sent in writing to the Secretary of BSI Technical Committee PRI/88, Plastic piping systems, at British Standards House, 389 Chiswick High Road, London W4 4AL, giving the document reference and clause number and proposing, where possible, an appropriate revision of the text.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

Summary of pages

This document comprises a front cover, an inside front cover, the CEN/TS title page, pages 2 to 8, an inside back cover and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

This Draft for Development was published under the authority of the Standards Policy and Strategy Committee on 7 November 2003

© BSI 7 November 2003

ISBN 0 580 42896 6

Amendments issued since publication

Amd. No.	Date	Comments

English version

**Plastics piping systems for water supply or drainage and
sewerage – Glass-reinforced thermosetting plastics (GPR)
based on unsaturated polyester resin (UP) – Recommended
practice for installation**

Systèmes de canalisations plastiques pour l'adduction
d'eau et l'assainissement – Plastiques thermodurcissables
renforcés de verre (PRV) à base de résine de polyester
non saturé (UP) – Pratique recommandée pour la pose

Kunststoff-Rohrleitungssysteme für den Wasserversorgung
mit oder ohne Druck – Glasfaserverstärkten
duroplastischen Kunststoffe (GFK) auf der basis von
ungesättigtem Polyesterharz (UP) – Empfohlenes
Verfahren zur Verlegung

This Technical Specification (CEN/TS) was approved by CEN on 24 March 2003 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

page

Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Procedures	5
4.1 General.....	5
4.2 Special conditions for pipes having a nominal stiffness less than SN 1250	5
5 Specific information and recommendations	5
5.1 General.....	5
5.2 Special transportation requirements	6
5.3 Maximum storage heights on site	6
5.4 Maximum storage period in direct sunlight	6
5.5 Any climatic conditions requiring special storage	6
5.6 Limiting deflections.....	6
5.7 Coefficient of linear expansion	6
5.8 Longitudinal tensile modulus and strength.....	7
5.9 Suitability for use in areas exposed to sunlight.....	7
5.10 Appropriate jointing system.....	7
5.11 Cold bending	7
5.12 Permitted rates of loss of water and/or pressure	7
Bibliography	8