

DIN EN 14364



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DIN EN 14364:2009-02

**Plastics piping systems for drainage and sewerage with or without pressure –
Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) –
Specifications for pipes, fittings and joints;
English version EN 14364:2013,
English translation of DIN EN 14364:2013-05**

Kunststoff-Rohrleitungssysteme für Abwasserleitungen und -kanäle mit oder ohne Druck –
Glasfaserverstärkte duroplastische Kunststoffe (GFK) auf der Basis von ungesättigtem
Polyesterharz (UP) –
Festlegungen für Rohre, Formstücke und Verbindungen;
Englische Fassung EN 14364:2013,
Englische Übersetzung von DIN EN 14364:2013-05

Systèmes de canalisations en plastique pour l'évacuation et l'assainissement avec ou
sans pression –
Plastiques thermodurcissables renforcés de verre (PRV) à base de résine polyester non
saturé (UP) –
Spécifications pour tubes, raccords et assemblages;
Version anglaise EN 14364:2013,
Traduction anglaise de DIN EN 14364:2013-05

Document comprises 73 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.



A comma is used as the decimal marker.

National foreword

This document (EN 14364:2013) has been prepared by Technical Committee CEN/TC 155 “Plastics piping systems and ducting systems” (Secretariat: NEN, Netherlands).

The responsible German body involved in its preparation was the *Normenausschuss Wasserwesen* (Water Practice Standards Committee), Joint Working Committee NA 119-05-28 GA (GA NAW/FNK) *Kunststoffrohre in der Abwassertechnik*.

Amendments

This standard differs from DIN EN 14364:2009-02 as follows:

- a) a number of test method references have been changed to the more up to date ISO methods;
- b) the diameter range has been extended to 4 000 mm;
- c) the axial strength tables have been completed for all PN classes;
- d) the fittings clause has been restructured to be more practical;
- e) joint testing criteria have been updated.

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English Version

**Plastics piping systems for drainage and sewerage with or
without pressure - Glass-reinforced thermosetting plastics
(GRP) based on unsaturated polyester resin (UP) -
Specifications for pipes, fittings and joints**

Systèmes de canalisations en plastique pour l'évacuation
et l'assainissement avec ou sans pression - Plastiques
thermodurcissables renforcés de verre (PRV) à base de
résine de polyester non saturé (UP) - Spécifications pour
tubes, raccords et assemblages

Kunststoff-Rohrleitungssysteme für Abwasserleitungen und -
kanäle mit oder ohne Druck - Glasfaserverstärkte
duroplastische Kunststoffe (GFK) auf der Basis von
ungesättigtem Polyesterharz (UP) - Festlegungen für
Rohre, Formstücke und Verbindungen

This European Standard was approved by CEN on 14 December 2012.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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Foreword

This document (EN 14364:2013) has been prepared by Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems", the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2013, and conflicting national standards shall be withdrawn at the latest by August 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14364:2006+A1:2008.

The following list is a list of significant technical changes that have been made since the previous edition:

- changes to many test method references to the more up to date ISO methods;
- extension of the diameter range to 4 000 mm;
- completion of the axial strength tables for all PN classes;
- restructure of the fittings section to be more practical;
- update of the joint testing criteria.

This European Standard is a system standard for plastics piping systems using glass-reinforced thermosetting plastics based on polyester resin (GRP-UP), for drainage and sewerage with or without pressure.

System standards are based on the results of the work being undertaken in ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids", which is a Technical Committee of the International Organization for Standardization (ISO). They are supported by separate standards on test methods, to which references are made throughout the system standard.

System standards are consistent with standards on general functional requirements.

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

This system standard specifies the properties of a piping system and its components when made from glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) intended to be used for drainage and sewerage with or without pressure.

The working group responsible for this European Standard is currently working on a test method and requirements for assessing resistance to impact damage. When this work is completed it may result in additional requirements being incorporated into this European Standard.

This European Standard was prepared recognising the guidelines of EN 476 [1].