



National Standards Authority of Ireland

STANDARD

I.S. EN 1115-3:1997

ICS 23.040.45

**PLASTICS PIPING SYSTEMS FOR
UNDERGROUND DRAINAGE AND SEWERAGE
UNDER PRESSURE - GLASS-REINFORCED
THERMOSETTING PLASTICS (GRP) BASED
ON UNSATURATED POLYESTER RESIN (UP) -
PART 3 : FITTINGS**

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 1115-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 1996

ICS 23.040.20; 23.040.45

Descriptors: sanitation, water removal, buried pipes, pressure pipes, plastic tubes, reinforced plastics, glass reinforced plastics, thermosetting resins, polyester resins, pipe fittings

English version

**Plastics piping systems for underground drainage
and sewerage under pressure - Glass-reinforced
thermosetting plastics (GRP) based on
unsaturated polyester resin (UP) - Part 3: Fittings**

Systèmes de canalisations en plastique pour
l'évacuation et l'assainissement enterrés sous
pression - Plastiques thermodurcissables
renforcés de verre (PRV) à base de résine de
polyester non saturé (UP) - Partie 3: Raccords

Kunststoff-Rohrleitungssysteme für erdverlegte
Druckentwässerung und Druckabwasserleitungen -
Glasfaserverstärkte duroplastische Kunststoffe
(GFK) auf der Basis von ungesättigtem
Polyesterharz (UP) - Teil 3: Formstücke

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems", the secretariat of which is held by NNI.

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of an identical text or by endorsement, at the latest by December 1996, and conflicting national standards shall be withdrawn at the latest by December 1996.

This standard is part of a System Standard for plastics piping systems, which is a standard for glass-reinforced polyester plastics piping systems for underground drainage and sewerage under 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 and on practices for installation.

EN 1115 consists of the following parts, under the general title *Plastics piping systems for underground drainage and sewerage under pressure - Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP)*

- Part 1: General
- Part 2: Pipes with flexible, reduced articulation or rigid joints
- Part 3: Fittings (this standard)
- Part 5: Fitness for purpose of the joints
- Part 6: Practices for installation
- Part 7: Assessment of conformity

DECLARATION

OF

SPECIFICATION

ENTITLED

PLASTICS PIPING SYSTEMS FOR UNDERGROUND DRAINAGE AND SEWERAGE
UNDER PRESSURE - GLASS-REINFORCED THERMOSETTING PLASTICS (GRP) BASED
ON UNSATURATED POLYESTER RESIN (UP) - PART 3 : FITTINGS

AS

THE IRISH STANDARD SPECIFICATION FOR

PLASTICS PIPING SYSTEMS FOR UNDERGROUND DRAINAGE AND SEWERAGE
UNDER PRESSURE - GLASS-REINFORCED THERMOSETTING PLASTICS (GRP) BASED
ON UNSATURATED POLYESTER RESIN (UP) - PART 3 : FITTINGS

Forfás in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 (No. 20 of 1961) and the Industrial Development Act, 1993 (No. 19 of 1993), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Plastics piping systems for underground drainage and sewerage under pressure - Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) - Part 3 : Fittings) Declaration, 1997.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Plastics piping systems for underground drainage and sewerage under pressure - Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) - Part 3 : Fittings. The Schedule comprises the text of EN 1115-3:1996.

(2) The said standard specification may be cited as Irish Standard/EN 1115-3 :1997 or as I.S./EN 1115-3:1997.

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