



National Standards Authority of Ireland
Údarás um Chaighdeáin Náisiúnta na hÉireann

IRISH STANDARD

I.S. EN 15422:2008

ICS 91.100.30

**PRECAST CONCRETE PRODUCTS -
SPECIFICATION OF GLASSFIBRES FOR
REINFORCEMENT OF MORTARS AND
CONCRETES**

National Standards
Authority of Ireland
Northwood, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales

<http://www.standards.ie>

*This Irish Standard was
published under the authority
of the National Standards
Authority of Ireland and
comes into effect on:
18 June 2008*

**NO COPYING WITHOUT NSAI
PERMISSION EXCEPT AS
PERMITTED BY COPYRIGHT
LAW**

© NSAI 2008

Price Code E

Údarás um Chaighdeáin Náisiúnta na hÉireann

This page is intentionally left BLANK.

I.S. EN 15422:2008

EUROPEAN STANDARD

EN 15422

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2008

ICS 91.100.30

English Version

Precast concrete products - Specification of glassfibres for reinforcement of mortars and concretes

Produits préfabriqués en béton - Spécification des fibres de
verre destinées au renforcement des mortiers et des
bétons

Betonfertigteile - Festlegung für Glasfasern als Bewehrung
in Mörtel und Beton

This European Standard was approved by CEN on 19 January 2008.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, 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
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Physical condition and properties	5
5 Testing	6
6 Compliance.....	6
Bibliography.....	7

Foreword

This document (EN 15422:2008) has been prepared by Technical Committee CEN/TC 229 “Precast concrete products”, the secretariat of which is held by AFNOR.

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 September 2008, and conflicting national standards shall be withdrawn at the latest by September 2008.

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.

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

1 Scope

This European standard specifies requirements for glass fibres used as reinforcement in mortars and concrete for non-structural products. It applies to continuous filament glass fibre products in the form of roving, strands, or chopped strands and related products such as nets or mats based on these products.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 14649, *Precast concrete products — Test method for strength retention of glass fibres in cement and concrete (SIC TEST)*

EN ISO 1889, *Reinforcement yarns — Determination of linear density (ISO 1889:1997)*

ISO 1887, *Textile glass — Determination of combustible-matter content*

ISO 1888, *Textile glass — Staple fibres or filaments — Determination of average diameter*

ISO 3341, *Textile glass yarns — Determination of breaking force and breaking elongation*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

Alkali Resistant (AR) glassfibre

glassfibre product resistant to the alkaline environment of matrices made from hydraulic cement. Glassfibre manufactured and sold for the reinforcement of mortars and concrete products. The resistance is due particularly to the specific composition of the glass.

NOTE See EN 1169.

3.2

filament

single glassfibre as drawn

(adapted from EN ISO 472)

3.3

strand

number of approximately parallel filaments of 8 microns to 30 microns individual filament diameter, held together with a size

(adapted from EN ISO 472)

3.4

cake

number of strands wound together on a former; an intermediate stage in the manufacturing process, prior to the conversion to "roving" or "mats"

(adapted from EN ISO 472)

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

[Product Page](#)

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