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NSAI Standards

Irish Standard
I.S. EN 13022-2:2014

Glass in building - Structural sealant glazing - Part 2: Assembly rules

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 13022-2

June 2014

ICS 81.040.20

Supersedes EN 13022-2:2006+A1:2010

English Version

Glass in building - Structural sealant glazing - Part 2: Assembly rules

Verre dans la construction - Système de vitrage extérieur collé (VEC) - Partie 2: Règles d'assemblage

Glas im Bauwesen - Geklebte Verglasungen - Teil 2: Verglasungsvorschriften für Structural-Sealant-Glazing (SSG-) Glaskonstruktionen

This European Standard was approved by CEN on 9 February 2014.

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Foreword

This document (EN 13022-2:2014) has been prepared by Technical Committee CEN/TC 129 “Glass in building”, the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by December 2014 and conflicting national standards shall be withdrawn at the latest by December 2014.

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 13022-2:2006+A1:2010.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

This part of EN 13022 is one of a series of interrelated standard parts dealing with:

— glass products for structural sealant glazing systems;

— installation of glass products in a structural manner on building façades;

— UV-resistant and structural sealant for use in structural sealant glazing.

The interrelated parts are:

— EN 13022-1: *Glass in building — Structural sealant glazing — Part 1: Glass products for structural sealant glazing systems for supported and unsupported monolithic and multiple glazing*

— EN 13022-2: *Glass in building — Structural sealant glazing — Part 2: Assembly rules*

— EN 15434: *Glass in building — Product standard for structural and/or ultra-violet resistant sealant (for use with structural sealant glazing and/or insulating glass units with exposed seals)*

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, 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.

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1 Scope

This European Standard deals with the assembling and bonding of glass elements in a frame, window, door or curtain walling construction, or directly into the building by means of structural bonding of the glass element into or onto framework or directly into the building.

It gives information to the assembler to enable him to organize his work and comply with requirements regarding quality control.

Structural sealant glazing can be incorporated into the façades (curtain walls, doors and windows) or roofs as follows:

— either vertically; or

— up to 7° from the horizontal, i.e. 83° from the vertical.

This European Standard only deals with the bonding to glass surfaces, i.e. coated or uncoated or enamelled, and metallic surfaces, i.e. aluminium (anodised or coated), stainless steel, as considered in G.2 of EN 15434:2006+A1:2010.

2 Normative references

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

EN 13022-1:2014, *Glass in building — Structural sealant glazing — Part 1: Glass products for structural sealant glazing systems for supported and unsupported monolithic and multiple glazing*

EN 15434:2006+A1:2010, *Glass in building — Product standard for structural and/or ultra-violet resistant sealant (for use with structural sealant glazing and/or insulating glass units with exposed seals)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13022-1:2014, EN 15434:2006+A1:2010 and the following apply.

3.1
structural bonding
assembling of glass elements into or onto window, door or curtain walling framework by means of a structural seal

3.2
structural sealant
elastic sealant used for making a structural seal

4 Requirements

The assembling of the glass elements into or onto the window, door or curtain-walling framework or directly in the building or construction shall take place under the following controlled environmental conditions:

— temperature of the surface of the frame and of the glass and of the near environment shall be not less than 10 °C and not more than 35 °C;

— for a given temperature, the RH value shall be at least 5 % below the value corresponding to the dew point of the support to which the seal is being applied;

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