



**NSAI**  
Standards

Irish Standard  
I.S. 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

**I.S. EN 13022-1:2014**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## Glass in building - Structural sealant glazing - Part 1: Glass products for structural sealant glazing systems for supported and unsupported monolithic and multiple glazing

Verre dans la construction - Système de vitrage extérieur collé (VEC) - Partie 1: Produits verriers pour système VEC pour produits monolithiques et produits multiples calés

Glas im Bauwesen - Geklebte Verglasungen - Teil 1: Glasprodukte für Structural-Sealant-Glazing (SSG-) Glaskonstruktionen für Einfachverglasungen und Mehrfachverglasungen mit oder ohne Abtragung des Eigengewichtes

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

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## Foreword

This document (EN 13022-1:2014) 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of an identical text or by endorsement, at the latest by December 2014 and conflicting national standards shall be withdrawn at the latest by December 2014.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 13022-1:2006+A1:2010.

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

EN 13022-1 is one of a series of interrelated standards 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)*

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## **EN 13022-1:2014 (E)**

### **1 Scope**

This European Standard specifies requirements for the suitability for use of supported and unsupported glass products for use in “Structural Sealant Glazing” (SSG) applications. Four schematic drawings of SSG systems are shown in Figure 1 and three section drawings of an SSG type II system are shown in Figure 2 for illustration purposes. This European Standard on glass products is considered as a supplement to the requirements specified in the corresponding standards with regard to verifying the suitability for use in SSG systems.

Only soda lime silicate glasses are taken into consideration in this European Standard.

Plastic glazing is excluded from the scope of this European Standard.

Any glass products meeting the requirements of this European Standard are suitable for use in SSG systems as defined in ETAG 002<sup>1)</sup> “Structural sealant glazing system”.

All glass products are installed and bonded into the support under controlled environmental conditions as described in Clause 5 of EN 13022-2:2014.

When the outer seal of the insulating glass unit has a structural function and/or is exposed to UV radiation without any protection, only silicone based sealant are permitted in the construction of the unit.

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1) ETAG: European Technical Approval Guideline.

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