



SLOVENSKI STANDARD
kSIST FprEN 13022-1:2013

01-oktober-2013

Steklo v gradbeništvu - Strukturna zasteklitve - 1. del: Stekljeni proizvodi za strukturne zasteklitve za podprte in nepodprte monolitne in sestavljene zasteklitve

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

Glas im Bauwesen - Geklebte Verglasungen - Teil 1: Glasprodukte für SSG-Systeme für Einfachglas und Mehrfachverglasungen mit und ohne Abtragung des Eigengewichtes

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

Ta slovenski standard je istoveten z: FprEN 13022-1

ICS:

81.040.20 Steklo v gradbeništvu Glass in building

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English Version

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

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If this draft becomes a European Standard, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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Foreword

This document (FprEN 13022-1:2013) has been prepared by Technical Committee CEN/TC 129 “Glass in building”, the secretariat of which is held by NBN.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 13022-1:2006+A1:2010.

This part of the standard 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)*

FprEN 13022-1:2013 (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.

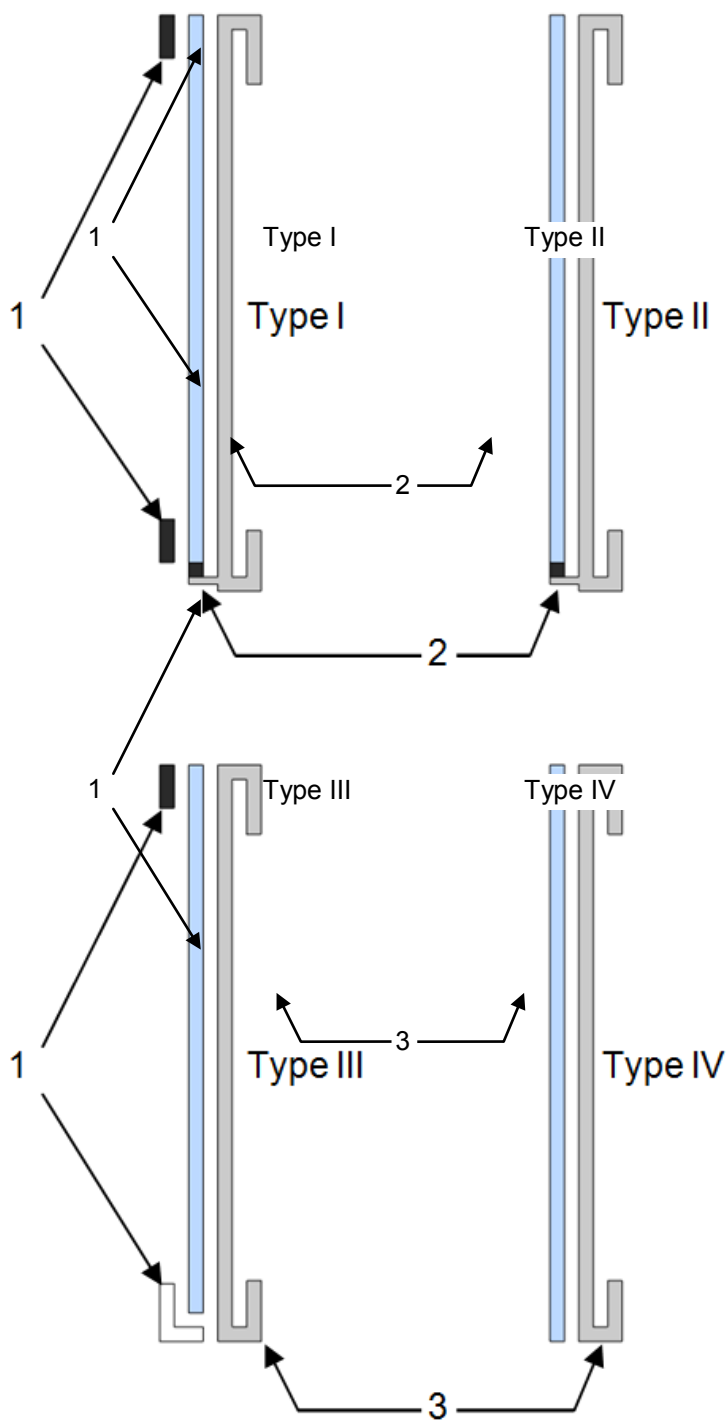
Plastic glazing is excluded from the scope of this European Standard.

Any glass products meeting the requirements of this European Standard are suitable for use in SSG systems as defined in ETAG 002¹⁾ “Structural sealant glazing system”.

All glass products are installed and bonded into the support under controlled environmental conditions as described in Clause 5 of FprEN 13022-2:2013.

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.

1) ETAG: European Technical Approval Guideline



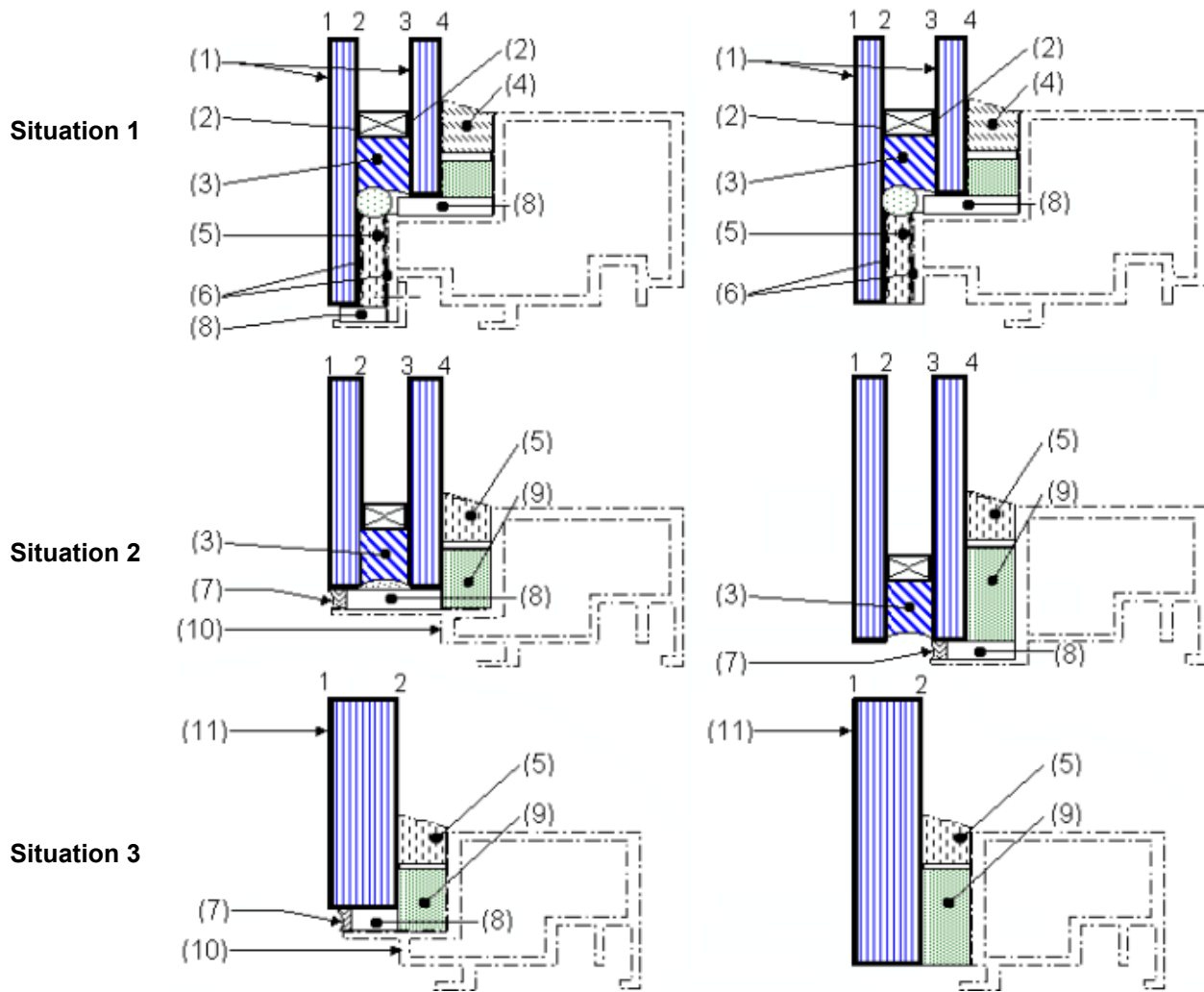
Key

- 1 retaining device to reduce danger in case of bond failure
- 2 mechanical self-weight support
- 3 structural sealant support frame

Figure 1 — Schematic examples of the different types of SSG

NOTE 1 Retaining devices may be required by national regulations

NOTE 2 In case of laminated glass and laminated safety glass, SSGS of types III and IV may be forbidden by national regulation.



Key

- 1 glass unit
- 2 inner seal
- 3 outer seal
- 4 finishing material
- 5 structural seal
- 6 structural seal adhesion surface
- 7 weather seal
- 8 setting block
- 9 adhesive spacer
- 10 structural seal support frame
- 11 laminated glass or laminated safety glass or monolithic glass unit

Figure 2 — Scope

NOTE The section drawings above are examples of structural sealant glazing system type II and IV.