



SINTEF

Certificate of constancy of performance

1071– CPR – 7055

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

GENP FI SHI/TITU_SC and GENP FO SHI/TITU_SC

(Inward opening side-hinge/tilt & turn wooden windows intended to be used in facades where fire rating is required. The windows are delivered with external aluminium cladding. The product is designed in two main versions, given by the letters FI (sash flush inside) or FO (sash flush outside) included in the product name. The fire classification is given in Appendix 1.)

placed on the market under the name or trademark of

DOVISTA A/S

Bygholm Søpark 21D, DK-8700 Horsens, Denmark

and produced in the manufacturing plant(s)

Svenska Fönster AB

Snickarvägen 12, 828 30 Edsbyn, Sweden

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 16034:2014

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on 08.04.2024 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body, and latest until 01.05.2029.

The certificate is valid provided it is listed on www.sintefcertification.no.

Oslo, 08.04.2024

Anne-Jorunn Enstad
Certification Manager



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Appendix

Specifications and prerequisites/limitations that applies to **GENP FI SHI/TITU_SC** and **GENP FO SHI/TITU_SC**.

The fire resistance according to EN 13501-2:2023 is given in the table below:

Product(s)	Insulating glass unit (IGU) / glass pane (IGU described from external to internal side)	W _{max} ¹ (mm)	H _{max} ¹ (mm)	A _{max} ² (m ²)	Fire resistance
GENP FI SHI/TITU_SC	44.2 FL / 10 Ar / 6T / 10 Ar / 17.3 Pyrobel 16 (t _{tot} = 52,06 mm)	1484	2180	2,94	EI ₁ 30 o↔i
GENP FO SHI/TITU_SC					
GENP FI SHI/TITU_SC *) (to be connected to side- and/or bottom fixed panels.)	44.2 FL / 10 Ar / 6T / 10 Ar / 17.3 Pyrobel 16 (t _{tot} = 52,06 mm)	1592	1992	2,88	EI ₁ 30 o↔i
GENP FO SHI/TITU_SC *) (to be connected to side- and/or bottom fixed panels.)					

Explanation of symbols, and references to notes in the table:

¹ W_{max} (width) and H_{max} (height) are maximum external frame dimensions as given by the reference test reports.

² A_{max} is the maximum allowed area calculated as the product of the actual external frame dimensions (W x H) as given by the reference test reports. (Note that the frame/sash profile – i.e. cross section – can be increased, and if so, the maximum element dimensions may be marginal beyond A_{max} given in the table above).

o↔i = The given fire resistance applies in both directions

***) GENP FI SHI/TITU_SC or GENP FO SHI/TITU_SC connected to GNP FL (Fixed light), i.e. bottom/side glazed panels**

GENP FI SHI/TITU_SC (version "Flush inside") and GENP FO SHI/TITU_SC (version "Flush Outside") can be a part of a configuration where GNP FL (Fixed light) is included as a side or/and a bottom panel with the fire rating EI 30 and the same type of insulation glass unit (IGU). Limitations applying to *dimensions per sub-element* and *configurations* are:

Maximum area given for bottom panel (sub-element): A_{b,max} = (w_{b,ref} x h_{b,ref}) x 1,20 = 1,28 m²

Maximum width given for bottom panel (sub-element): w_{b,max} = 1,15 x w_{b,ref} = 1592 mm

Maximum height given for bottom panel (sub-element): h_{b,max} = 1,15 x h_{b,ref} = 883 mm

Maximum area given for side panel (sub-element): A_{s,max} = (w_{s,ref} x h_{s,ref}) x 1,20 = 4,25 m²

Maximum width given for side panel (sub-element): w_{s,max} = 1,15 x w_{s,ref} = 1630 mm

Maximum height given for side panel (sub-element): h_{s,max} = 1,15 x h_{s,ref} = 2875 mm

Maximum area given for the assembled total element (the configuration): A_{tot,max} = 6,36 m²

Maximum width given for the assembled total element (the configuration): w_{tot,max} = 3221 mm

Maximum height given for the assembled total element (the configuration): h_{tot,max} = 2875 mm

All limitations given above shall apply at the same time, included what appears per row in the table. Each element (table, row 1), sub-element and the configuration, i.e. the assembled total element where *GENP FI SHI/TITU_SC / GENP FO SHI/TITU_SC* is one of the sub-elements (table, row 2), shall be manufactured within the limitations above. For example: If maximum width, then the height must be decreased such that the actual area fulfils the limitation given by this certification.

The inward openable windows shall be CE-marked according to both EN 16034 and EN 14351-1. Since no harmonized technical specification applies to the *fixed windows*, i.e. side-/bottom panels, a separate product documentation applying to the fixed windows may be required at national level.

Issued: 08.04.2024 | Valid until: 01.05.2029

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v260124

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