



BCCA

# BENOR CERTIFICATE

issued on the basis of the provisions of the Application Rules for BENOR certification  
of laminated glass, TRA BB 412,  
to the company

## AGC Glass Europe

Avenue Jean Monnet 4, BE - 1348 Louvain-la-Neuve,

for the production of products with the following designation

## Stratobel - Stratophone

manufactured in the production unit

AGC Flat Glass Czech, Cien AGC Group – Sklarska 450 – 41674 – TEPLICE – (CZECH REPUBLIC)  
AGC Flat Glass Ibérica – Vial IV Planta KM 2.8 – 46520 – PUERTO DE SAGUNTO VALENCIA – (SPAIN)  
AGC Interpane Glass France - Mégazone Moselle Est - 57455 - SEINGBOUSE- (France)  
AGC Glass Europe Moustier Plant- Rue de la Glacerie 167-5190 MOUSTIER-SUR-SAMBRE- (BELGIUM)  
in accordance with

## NBN EN 14449 : 2005

By issuing the certificate, BCCA declares that, on the basis of (I) the initial assessment of the product characteristics by means of testing; (II) the initial evaluation and acceptance of the quality assurance in production; (III) the regular external control of the implementation of the quality assurance processes and the control schemes agreed upon; (IV) regular control tests in a recognised external laboratory, sufficient confidence can be given to the measures taken by the certificate holder for guaranteeing conformity with the prescriptions.

The annex to this certificate gives the data with regard to the certified product. This document is an annex to the certificate and is authenticated by BCCA.

Following the issuing of this certificate and as long as it is maintained valid, BCCA grants the right to use the BENOR mark to the certificate holder. The proof of delivery of a product under the BENOR mark is given by a suitable identification on the product or, if this isn't possible, on the packaging. The use of the BENOR mark does not relieve the certificate holder of his responsibilities with regard to the delivered product.

The validity of this certificate can be checked via [www.bcca.be](http://www.bcca.be).

N° certificate BB-412-143-EN14449-BLLN | Valid from 01-01-2017 until 31-12-2019

Issued in Brussels, on 31 May 2017.

ir. B. De Blaere,  
General Manager

The BENOR mark is a registered collective mark, that is the property of the Bureau for Standardisation (NBN). The BENOR certification is a voluntary system that is established on the basis of a consensus between stakeholders and is a response on the request of the user to have sufficient certainty about the aspects with regard to, ex., quality, public security, suitability for use, health and the interests of the end users.

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## Annex to the BENOR Certificate BB-412-143-EN14449-BLLN

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This list of products is a necessary complement of the certificate validated on 01/01/2017.

Any change of the product range must lead to a renewed validation.

### Products

This BENOR certificate covers the production of laminated glass with PVB interlayer. Bullet resistant, fire resistant and blast resistant glasses are not in the scope.

Bi- and multi laminated glass are obtained with the combination of the following products:

### Glasses

- Clear, extra clear or coloured float following EN 572-1 & 2, with thickness from 1,9 mm to 19 mm
- Patterned glass following EN 572-1 & 4, with thickness from 3 mm to 12 mm
- Heat strengthened glass following EN 1863-1, with thickness from 4 mm to 8 mm
- Thermally toughened glass following EN 12150-1, with thickness from 3 mm to 19 mm
- Heat soaked Thermally toughened glass following EN 14179-1, with thickness from 3 mm to 19 mm
- Coated glass following EN 1096-1, 2 & 3, with thickness from 3 mm to 12 mm  
All coated products are generally laminated on the non-coated side but pyrolytic coatings of list below can be laminated on both sides without affecting performances following EN356 when limited to P2A level or following EN12600: Stopsol classic, Supersilver and Silverlight; Sunergy, Planibel G, G fast, A, Isoconfort and Iplus AF.  
All magnetron coatings can only be laminated at the non-coated side except Stopray LamiSmart 24 and Ipasol Bright. Note that no performance following EN356 are declared (no market request) and that Ipasol Bright was tested only up to 2B2 level following EN12600.
- Sandblasted and acid etched glass, with thickness from 3 mm to 12 mm

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#### Interlayers

- Clear PVB with thickness 0,38 mm, 0,76 mm, 1,14 mm, 1,52 mm, 2,28 mm
- Coloured and mat PVB with thickness 0,38 mm, 0,76 mm
- Clear acoustical PVB with thickness 0,50 mm, 0,60 mm, 0,76 mm, 1,14 mm, 1,52 mm
- Coloured acoustical PVB with thickness 0,50 mm, 0,60 mm, 0,76 mm with a maximum of 12 films of 0,38 mm.

The performances of each combination (safety, security, thermal and optical performances,...) are detailed in the AGC documentations (brochures and YourGlass Pocket), on the website [www.yourglass.com](http://www.yourglass.com) and in the AGC CE-marking declarations (see <http://www.yourglass.com/agc-glass-europe/pdf/cemarking/CE-marking.pdf>).

This annex is valid as long as the certificate remains valid.

Issued in Brussels, on 31 May 2017.



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General Manager

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