



RAPPORTO DI PROVA / TEST REPORT N. 93900/REV001 pag. 1 di 1

Murano 19/05/2010 *rif.* Your purchase order n. 4503866639 dated 08/01/2010

richiedente SOLUTIA EUROPE SPRL/BVBA
proposer RUE LAID BURNIAT 3 P.SCIEN.FLEMING - 01348 LOUVAIN-LA-NEUVE (SUD)

campione Laminated glass
sample *prova eseguita dal / from* 20/01/2010
test date *al / to* 13/05/2010

contrassegnato SAFLEX DG interlayer 0.51 mm
reference

ricevuto il 15/01/2010 by carrier
received

Revision dated 27/5/2011 to modify the reference as requested by the client
This test report deletes and replaces the previous one n.93900 dated 19/05/2010 .

EN 14449:2005 Glass in building - Laminated glass and laminated safety glass Evaluation of conformity/Product standard

Type of test: Solar radiation durability test according to EN ISO 12543-4: 1998
 Producer: SOLUTIA EUROPE
 Site of production: Louvain la Neuve
 Type of product: Laminated safety glass (ISO EN 12543-2:2004)
 Family of interlayer: PolyVinyl Butyral (EN 14449:2005)
 Sampling: under responsibility of the Producer
 Marking of the sample: date of sampling: 12/1/2010
 line of production: N.D.
 Personnel involved: Gianluca Negri, Fabrizio Comiati e Antonio Giulio Daneo

For the details of the product description and of the laminated process see Producer Technical File.
The radiation tests has been carried out according to EN ISO 12543-4: 1998 on your 3 samples of laminated glass labelled SAFLEX DG interlayer 0.51 mm consisting of:

3 mm CLEAR FLOAT / 0.51 mm SAFLEX DG / 3 mm CLEAR FLOAT

The samples, 30 x 30 cm in size, 6.3 mm average thickness, showed no particular edge treatment or protection.

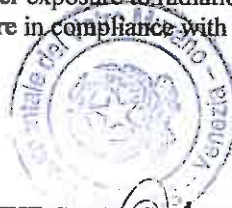
The samples were submitted to the radiation test with 16 OSRAM ULTRAVITALUX 300 W lamps for 2000 h, at a temperature of 45±5 °C, according to the prescriptions of the standard EN ISO 12543-4: 1998. The following light transmittance values were measured before and after radiation, according to EN 410: 1998:

| Sample | Light transmittance (%) before exposure ($\tau_{v, be}$) | Light transmittance (%) after exposure ($\tau_{v, ae}$) | % Relative difference $\left(\frac{\tau_{v, ae} - \tau_{v, be}}{\tau_{v, be}} \right)$ |
|--------|------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1 | 86.8 | 86.3 | -0.6 |
| 2 | 86.9 | 86.4 | -0.6 |
| 3 | 86.8 | 86.4 | -0.5 |

No delamination was observed in the samples after exposure to radiation.
The above test results indicate that the samples are in compliance with the requirements described in point 4.3 of the standard EN ISO 12543-2: 2004.

THE ANALYST

Antonio Giulio Daneo



THE GENERAL DIRECTOR

Dr. Antonio Tucci

THE TECHNICAL DIRECTOR

Eng. Roberto Dall'Igna

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