



RAPPORTO DI PROVA / TEST REPORT N. 94736

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Murano 30/07/2010 rif. Your order n.4510034021 dated 01.04.2010

richiedente KURARAY EUROPE GMBH
proposer MÜLHEIMER STR.26, GATE 3 - 65926 BUILDING 318 - FRANKFURT AM MA

campione L Aminated glass
sample prova eseguita dal / from 15/04/2010
test date al / to 30/07/2010

contrassegnato 44.1 TROSIFOL SOUND CONTROL PLUS SC+
reference

ricevuto il 9/04/2010 by carrier
received

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: KURARAY EUROPE GmbH - Div. TROSIFOL
Site of production: 53840 Troisdorf - Germany
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: 22/3/2010
line of production: Lab Line
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 44.1 TROSIFOL SOYND CONTROL PLUS SC+ consisting of:

4 mm CLEAR FLOAT GLASS/0.51 mm PVB TROSIFOL SOUND CONTROL PLUS/4 mm CLEAR FLOAT GLASS

The samples, 30 x 30 cm in size, 8.2 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	88.2	88.0	-0.2
2	88.2	87.9	-0.3
3	88.2	88.0	-0.2

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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