

RAPPORTO DI PROVA / TEST REPORT N. 111407

page 1 of 1

Marghera 20/09/2013 *rif.* your mail dated September 3rd, 2013

richiedente GLASSFER S.R.L.
proposer VIA S. MAURIZIO 66 - 22036 ERBA (CO)

campione Laminated glass
sample *prova eseguita dal / from* 19/09/2013
test date *al / to* 19/09/2013

contrassegnato GLASSFER - 10/1.52/12 laminated heat-strengthened glass
reference

ricevuto il 29/08/2013 hand delivered
received

IMPACT TEST ACCORDING TO ANSI Z97.1:2009

American National Standard for Safety Glazing Materials Used in Buildings – Safety Performance Specifications and Methods of Test

On laminated clear float heat strengthened glass, with a nominal thickness of **23.52 mm**, sent and sampled under your own responsibility, impact test according to American Standard **ANSI Z97.1 – 2009** has been carried out.

TEST RESULTS

Impact test has been carried out with drop height of 457 mm (18 inches) and 1219 mm (48 inches), according to point 5.1.2 (point 5.1.2.1 and point 5.1.2.2).

On 4 specimens with dimension 863 mm by 1930 mm sent by the Proposer, impact test has been carried out according to point 5.1.3 of ANSI Z97.1:2009.

Here there are test results:

Impact on 10 mm glass pane

Specimen	Mean Thickness (mm)	Impact with 457mm drop height (18 inches)	Impact with 1219 mm drop height (48 inches)
1	23.06	No breakage	No breakage
2	23.01	No breakage	No breakage
3	23.11	No breakage	No breakage
4	23.08	No breakage	No breakage

According to point 5.1.2 of ANSI Z97.1-2009 tested laminated glass composition is classified as:

“CLASS A”

Test carried out at our test laboratories in Marghera (Venice, Italy).

THE HEAD OF THE LABORATORY
Ennio Magnato

THE LABORATORIES DIRECTOR
Dr. Nicola Favaro

IL DIRETTORE GENERALE
(Dr. Stefano Manoli)

Si attesta che il campione oggetto di analisi esibito dalla ditta richiedente presenta le caratteristiche sopra riportate. Il presente attestato non si riferisce al campione esaminato e non può essere riprodotto parzialmente. In carta semplice per gli usi consentiti dalla legge.

We declare that the analysed sample, provided by the customer, presents the above-mentioned characteristics. This Test Report is relevant exclusively for the specimen tested and it cannot be partially reproduced. Issued on unstamped paper for the uses foreseen by the law.