

RAPPORTO DI PROVA / TEST REPORT N. 111378

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Marghera

20/09/2013

rif. your mail dated September 3rd, 2013

richiedente
proposer

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

campione
sample

Laminated glass

prova eseguita dal / from 17/09/2013
test date al / to 17/09/2013

contrassegnato
reference

GLASSFER - 6/1.52/4 laminated heat-strengthened glass

ricevuto il
received

29/08/2013 hand delivered

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 **11.52 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 4 mm glass pane

| Specimen | Mean Thickness (mm) | Impact with 457mm drop height (18 inches) | Impact with 1219 mm drop height (48 inches) |
|----------|---------------------|---|--|
| 1 | 10.92 | No breakage | Breakage of both glass panes No passage of 3.0 inch diameter sphere |
| 2 | 10.88 | No breakage | Breakage of both glass panes No passage of 3.0 inch diameter sphere |
| 3 | 10.90 | No breakage | Breakage of both glass panes No passage of 3.0 inch diameter sphere |
| 4 | 10.96 | No breakage | Breakage of both glass panes No passage of 3.0 inch diameter sphere |

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 Mognato

THE LABORATORIES DIRECTOR
Dr. Nicola Favaro

IL DIRETTORE GENERALE
(Dr. Stefano Maroli)

Si attesta che il campione oggetto di analisi esibito dalla ditta richiedente presenta le caratteristiche sopra riportate. Il presente attestato 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.