

Stazione Sperimentale del Vetro S.c.p.A.

Venezia - Murano, Via Briati 10

Venezia - Marghera, Via delle Industrie 13 - c/o VEGA Edificio Pegaso

RAPPORTO DI PROVA / TEST REPORT N. 111341

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

contrassegnato GLASSFER - 6mm Glass kind FT
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 clear float fully tempered glass, with a nominal thickness of **6 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:

Specimen	Mean Thickness (mm)	Impact with 457mm drop height (18 inches)	Impact with 1219 mm drop height (48 inches)
1	5.83	No breakage	Breakage Mass of 10 largest crack-free particles: 23.6g
2	5.86	No breakage	Breakage Mass of 10 largest crack-free particles: 40.5g
3	5.82	No breakage	Breakage Mass of 10 largest crack-free particles: 30.5g
4	5.83	No breakage	Breakage Mass of 10 largest crack-free particles: 31.4g

According to point 5.1.2 of ANSI Z97.1-2009 tested fully tempered glass 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 Manoli)

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.