



RAPPORTO DI PROVA / TEST REPORT N. 108694

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Marghera

18/04/2013

rif. Your order n.TP1-124 dated March 26th, 2013

richiedente
proposer

TECHNOFORM GLASS - INSULATION ITALIA SRL
VIALE EUROPA, N.30 - 20090 CUSAGO (MI)

campione
sample

IGU, spacer, corner

prova eseguita dal / from 5/04/2013
test date al / to 12/04/2013

contrassegnato
reference

TGI PELLINI SPACER

ricevuto il
received

15/03/2013 by hand

FogCV rev 1 23/8/2011

FOGGING TEST AND VOLATILE TEST ACCORDING TO UNI EN 1279-6:2002

Glass in building – Insulating Glass Units

Part 6: Factory Production Control and Periodic Tests

Type of test, carried out at Marghera laboratories: fogging test and volatile test according to UNI EN 1279-6.
Received samples:

- n° 2 IGU sampled by you, 35,0cm x 50,0cm in size and 4/22/4 in composition declared consisting by float clear;
- n° 11 spacer of about 50 cm in length reference "TGI PELLINI SPACER" batch n° IT-130039-1-7850-TGI;
- n° 26 corner reference "CONNETTORE ANGOLARE POLIAMMIDE".

1) FOGGING TEST (Annex "C" of UNI EN 1279-6)

The "Fogging test" was performed on 2 insulating glazing units specimens with the method and equipment called "British" described in Annex "C" of the above mentioned standard.

Test conditions were as the follows:

Hot spot temperature: 55°C;

Cold spot temperature: 23°C;

Test duration: 7 days.

No sample showed internal condensation after the test.

Therefore, the specimens are considered to conform to the test criteria.

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.



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2) VOLATILE TEST (Annex "G" of UNI EN 1279-6)

On the basis of annex "G", the volatile test has been performed on some samples of the material of the same lot used for the assembly of the insulating glass units subjected to the fogging test. The materials were kept at 70°C for 7 days.

The weight loss resulting from the heat treatment determines the amount of volatile present in the sample.

The data relevant to the tested materials are given in the following tables:

**TGI PELLINI
SPACER**

Sample	Initial weight (g)	Final wight (g)	ΔP (g)	Loss (%)
1	30.921	30.916	0.005	0.02
2	30.528	30.522	0.006	0.02
3	30.182	30.176	0.006	0.02

Valore medio 0.02

In the absence of limit values in UNI EN 1279-6, as concerns significant values, this loss percentage can be considered as negligible and, therefore, the tested materials can be considered as practically free of volatile.

According to the prescriptions in UNI EN 1279-6, the supplied lots shall not show weight losses beyond 0.03% (1.5 times the mean quantity determined using the same materials which were conform to the fogging test).

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.

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Stazione Sperimentale del Vetro

Venezia - Murano, Via Briati 10

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

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**CONNETTORE
ANGOLARE
POLIAMMIDE**

Sample	Initial weight (g)	Final wight (g)	ΔP (g)	Loss (%)
1	4.265	4.211	0.054	1.27
2	4.225	4.172	0.053	1.25
3	4.227	4.175	0.052	1.23

Valore medio 1.25

According to the prescriptions in UNI EN 1279-6, the supplied lots shall not show weight losses beyond 1.88% (1.5 times the mean quantity determined using the same materials which were conform to the fogging test).

NOTE:

- In the absence of indications in UNI EN 1279-6 as concerns the quantity, size and shape of specimens, the test was carried out on samples of spacer 30 cm in length and on corner as received.
- No minimum loss are indicated in EN 1279-6.

THE HEAD OF THE LABORATORY

Ennio Mognato



THE LABORATORIES DIRECTOR

Dr. Nicola Favaro

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.