

RAPPORTO DI PROVA / TEST REPORT N. 124860

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Marghera

13/02/2015

rif. Your email of November 11th, 2014

richiedente  
proposer

NEDEX KIMYA SAN.VE.TIC.A.S. - CETIN CADDESI KIZ KALESI  
SOKAK No:1 ELIT PLAZA - 34775 UMRANIYE (ISTANBUL)

campione  
sample

IGU and sealants

prova eseguita dal / from 17/12/2014  
test date al / to 24/12/2014

contrassegnato  
reference

PS 545 R / PIB 996

ricevuto il  
received

14/11/2014 by carrier

FogCVing rev 1 23/8/2011

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

### Glass in building – Insulating Glass Units

#### Part 6: Factory Production Control and Periodic Tests

Type of test: fogging test and volatile test according to EN 1279-6.

Received samples:

- n° 4 IGU sampled by you, 35,0cm x 50,0cm in size and 4/12/4 in composition you declared consisting of:
  - float glass
  - inner sealant: butyl PIB 996 (Nedex) batch n° 914 100 800 10
  - outer sealant: polysulphide PS 545 R (Nedex) batch n° 514 070 163 (A-comp.)  
batch n° 514 052 300 82 (B-comp.)
  - spacer: aluminium
- about 300 grams of butyl PIB 996 and 300 grams of polysulphide PS 545 R

#### 1) FOGGING TEST (Annex "C" of 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: 53°C;

Cold spot temperature: 21°C;

Test duration: 7 days.

After the test a sample showed a slight internal condensation that disappears after 7 days from the end of the test.

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

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

Venezia - Murano, Via Briati 10

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

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## 2) VOLATILE TEST (Annex "G" of 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:

Sample	Initial weight (g)	Final weight (g)	$\Delta P$ (g)	Loss (%)	
butyl PIB 996	1	12.643	12.642	0.001	0.01
	2	13.065	13.065	0.000	0.00
	3	10.824	10.824	0.000	0.00

**Average Value 0.00**

In the absence of limit values in 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.

*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.

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

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Sample	Initial weight (g)	Final weight (g)	$\Delta P$ (g)	Loss (%)
polysulphide PS 545 R	1	54.960	0.368	0.67
	2	55.681	0.367	0.66
	3	54.558	54.184	0.374

Average Value 0.67

According to the prescriptions in EN 1279-6, the supplied lots shall not show weight losses beyond 1.01% (1.5 times the mean quantity determined using the same materials which were conform to the fogging test).

## NOTE:

- In the absence of precise indications in EN 1279-6 as concerns the quantity, size and shape of specimens, the received polysulphide samples were tested and some rectangular butyl samples of 55 mm x 25 mm and about 5 mm in thickness have been prepared.
- No minimum weight loss is indicated in EN 1279-6.

Tests carried out at Marghera laboratories.

THE HEAD OF THE LABORATORY

Ennio Mognato

THE LABORATORIES DIRECTOR

Dr. Nicola Favaro

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