

## TEST REPORT

CUSTOMER: **TRIFLEX VIDRIOPANTALLA, S.L.**

PERSON REQUESTING THE TEST: **JOSÉ MANUEL ESTADA**

ADDRESS: **POLIGONO INDUSTRIAL SEPES, C/ ARANDA Nº 8  
46520 SAGUNTO (VALENCIA)**

MATERIAL TESTED: **«TRIFLEX» DOUBLE GLAZING WITH VENETIAN  
BLIND**

PURPOSE OF THE TEST: **DETERMINING THE DEW POINT**

DATE OF RECEIPT: **04.04.2003**  
TEST STARTING DATE: **04.06.2003**  
TEST COMPLETION DATE: **05.06.2003**

Total No. of pages

3  
(Including this one)

The results only refer to the material received and subjected to testing at this Research Centre on **04.04.2003**.

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**Asier Maiztegi**  
Construction Dept. Manager



**Susana Santamaría**  
Construction Dept. Manager

Azpeitia, 16<sup>th</sup> of June 2003

## FEATURES OF THE SAMPLE

On the 4<sup>th</sup> of April 2003, CIDEMCO received a (500 x 500) mm double glazing sample from the company TRIFLEX VIDRIOPANTALLA, S.L., whose reference is «TRIFLEX».

In accordance with the information provided by the customer, the composition and features of the sample are as follows:

- Exterior sheet of CLEAR glass of 4 mm in thickness
- Intermediate chamber made using an extruded aluminium perimeter profile of 16 mm in thickness
- Venetian blind fitted to the chamber and composed of aluminium slats of 12.5 mm in width, adjustable by means of a magnetic device. The blind has a run of 80 mm
- Exterior sheet of CLEAR glass of 4 mm in thickness
- Sealant composed of:
  - First barrier of butyl
  - Second barrier of polysulphur



## TEST REQUESTED

The test requested is that of **determining the dew point** in accordance with the PNE-prEN 1279-2 standard, annex A.

## TEST CARRIED OUT

The test consists of placing the coolant cell on the clean surface of the glass, in the centre of the sample and pouring some drops of ethanol between the glass and the surfaces of the mirror to obtain optimum conductivity. The thermometer is placed in the coolant cell and the latter is filled up to a height of 30 to 35 mm. The triturated solid carbon dioxide is then slowly added to the ethanol. The cooling speed should not exceed 2 K/min beyond a value of around 20 K above dew point.

The inside surface of the glass must be monitored throughout the process, just in front of the mirror.

The test is carried out at a room temperature of 23° C.

## RESULT

The dew point temperature is as follows:

**DEW POINT: -60° C**