

## 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:	<b>«TRIFLEX» DOUBLE GLAZING WITH VENETIAN BLIND</b>
PURPOSE OF THE REQUEST:	<b>CONDENSATION STUDY</b>

DATE OF RECEIPT: **04.04.2003**  
TEST STARTING DATE: **02.06.2003**  
TEST COMPLETION DATE: **11.06.2003**

Total No. of pages

5  
(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. Technician

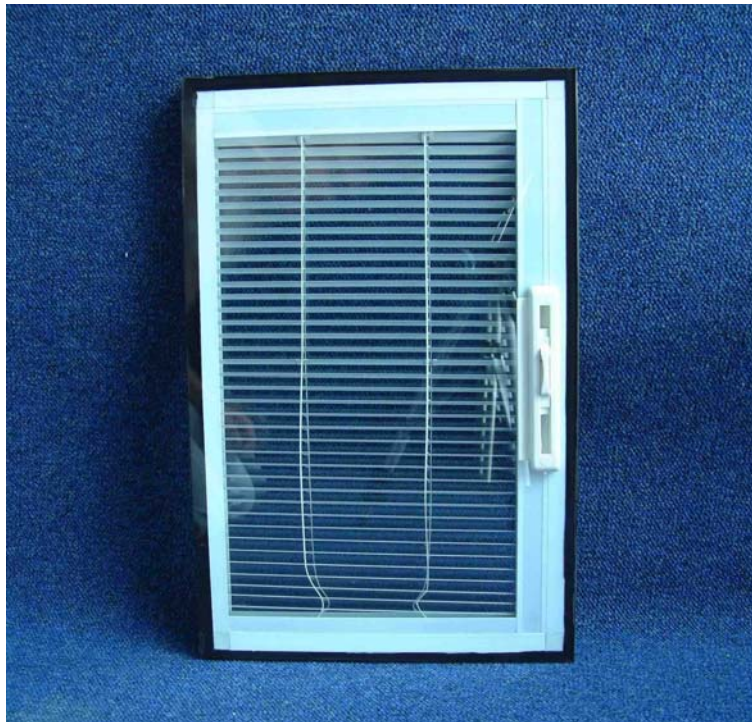
Azpeitia, 16<sup>th</sup> of June 2003

## FEATURES OF THE SAMPLE

On the 4<sup>th</sup> of April 2003, CIDEMCO received four (350 x 500) mm double glazing samples 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 a **condensation study** which consists of checking whether any condensation is produced following exposure for 7 days under the following conditions:

- ULTRAVITALUX 300 W lamp radiation
- Surface temperature of the exposed face:  $(65\pm 2)^{\circ}\text{C}$
- Central cooled zone at  $20^{\circ}\text{C}$

## TEST CARRIED OUT

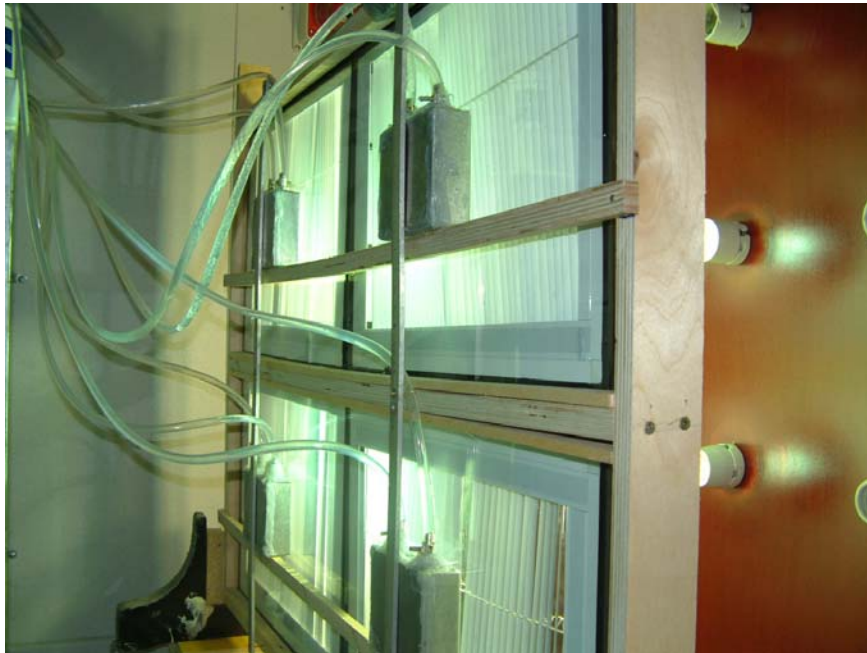
The test consisted of maintaining the samples under the conditions described above for 7 days. To do so, the four panels were fitted on a frame, on one of whose sides were fitted 4 ULTRAVITALUX 300 W lamps and on the other some metal boxes were arranged with flowing water in order to cool the system.

The distance from the lamps to the samples was determined in such a way that the temperature in the centre of the frame was  $(65\pm 2)^{\circ}\text{C}$ . The temperature of the metal boxes – one in the centre of each sample - was  $(20\pm 2)^{\circ}\text{C}$ .

The whole system was placed in a room at a temperature of  $(20\pm 2)^{\circ}\text{C}$ , where it was kept for a week.

The following photographs show how the lamps were arranged on one side and the metal boxes and the other.

Fitting the lamps



Filling the coolant boxes

## RESULT

On completion of the exposure to condensation, it was proven that no condensation was produced on the inside of double glazing samples.

**RESULT: SATISFACTORY**