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DEPARTAMENTO DE EDIFÍCIOS
Núcleo de Acústica, Iluminação, Componentes e Instalações
LEC – Laboratório de Ensaios de Caixilharia
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INITIAL TYPE TEST OF WINDOW WITH ALUMINUM PROFILES FROM SYSTEM AZ WITH DOUBLE HUNG WINDOW WITH TILT AND TURN MOVEMENT FOR THE MAIN LEAF

Dimensions of sample:

- Frame width/height (L x H) ..... 1,20 m x 1,20 m
- Length of opening joint ..... 5,62 m
- Overall area..... 1,44 m^2
- Glass thickness .....(5-10-6) 21 mm

5 - CONCLUSIONS

5.1 - The following table presents the main results of the sample submitted to the ITT.

TEST		CLASS
Air permeability		4
Watertightness		9 A
Resistance to wind load	Test pressure	5
	Frame Deflection	C
Operating forces - hardware**		2
Operating forces - sash **		2
Resistance to repeated opening and closing**		2
Resistance to static torsion **		4
Resistance to racking **		4

5.2 – The air permeability and water tightness performance depends of the weatherstrips and drainage holes done in the prototype and described in section 2. Any modification in this drainage holes or weatherstrips could change the performance of the window.

5.3 – The gaskets should be stable in relation to dimensional behavior, aspect and flexibility EN 12365-1 (2003).

5.4 – The results of test are valid only for the tested window with frame and hardware described in section 2, any extrapolation of results must take into account the guidelines presented in NP EN 14351-1 (2008).