



LGAII

**Laboratori General d'Assaigs
i investigacions**

Empresa del Departament
d'Indústria i Energia
de la Generalitat de Catalunya



CERTIFICATE

Num.: **22006193 M1**

The Certification Center LGAII
in "Laboratori General d'Assaigs i Investigacions",
certificates that:

METALÚRGICA ROS, S.A.U.

Pol. Industrial Pla de Poliger, Sector Nord-SAU 1

17854 SANT JAUME DE LLIERCA (Girona) Spain

ENSAYO SOLICITADO:

The determination of mechanical stability at 400° C during two hours of different types of conducts for ventilation and the extraction of air, based on **PT 106043** and **Regulation UNE 23093: 81 and 98**. "*Test for Resistance to Fire in Structures and Elements of Construction*".

RESULTADOS OBTENIDOS:

- During the test no deformations, cracks or openings were observed in the different parts of the conducts.
- After the test the conducts and their component parts were inspected and no deformations, cracks or openings were observed, the gages could not be inserted.

The different types of galvanised and stainless steel conducts with thicknesses of between 0.6 and 1 mm, with circular sections and angular sections between 120 and 250 mm diameters. Conducts for ventilation and the extraction of air, made by Metalúrgica ROS S.A.U., as detailed in the technical specifications section, tested to **400° C** maintain the criteria of **mechanical stability** during **127 (120+7) minutes** test.

F. Xavier Escriche Segu
Gerente del Centro del Fuego y Termotécnica

Jordi Mirabent i Junyent
Responsable Técnico

16 de Diciembre de 2002