

TYPE APPROVAL CERTIFICATE
No. **LAB582308CS/002**



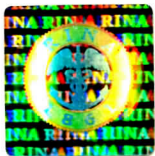
This is to certify that the product identified below is in compliance with the regulations herewith specified.

<i>Description</i>	Fire dampers
<i>Type</i>	A-60 FIRE DAMPERS
<i>Applicant</i>	ISOL.ME.CAR. SRL VIA DEI BAGNI NUOVA 5 34074 MONFALCONE (GO) ITALY
<i>Manufacturer</i>	ISOL.ME.CAR. SRL
<i>Place of manufacture</i>	VIA DEI BAGNI NUOVA 5 34074 MONFALCONE (GO) ITALY
<i>Reference standards</i>	IMO Res. MSC. 61(67) Annex 1 Part 3; Chapter 4, Part C of RINA Rules

Issued in **Genoa** on **July 29, 2009**. This Certificate is valid until **July 28, 2014**

RINA
Massimo Dinale

This certificate consists of this page and 1 enclosure



TYPE APPROVAL CERTIFICATE

No. **LAB582308CS/002**

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A-60 FIRE DAMPERS

Product description

Stainless steel or carbon steel fire damper type 1 - 2 - 2A - 3 - 4 - 4A monoblade and multiblade having sizes ranging from 200 x 200 mm up to 2000 x 1000 mm. The damper blades, composed of two steel sheets 2 mm thick, are insulated between the two sheets with a 20 mm thick ceramic fiber layer named FIREMASTER 607 BLANKET or PROMAGLAF HTK BLANKET, 20 mm thick and having density of 96 kg/m³. Damper and relevant coamings are insulated by means of ceramic fiber type FIREMASTER 607 BLANKET having density of 96 kg/m³ and thickness of 75 mm on bulkhead and 50 mm on deck. The insulation extension on the side opposite to the damper is 225 mm.

Field of application

Fire resistant A-60 Class dampers for passage through decks and bulkheads.

Reference documents

ISOL.ME.CAR drawing No. 0100/012/06 (sheets 1 to 13) dated 9 March 2009 approved with endorsement No. LABS-319 on 17 July 2009.

Tests carried out

Tests as per RINA Fire protection Research Laboratory Reports Nos. 2000CSTO1453/1 dated 19 February 2001, 2000CSTO1453/2 dated 21 February 2001, 2000CSTO1453/5 dated 20 February 2001 and RINA Test Laboratory Reports Nos. 2005CS01406/1 and 2005CS01406/2 dated 9 March 2005 issued according to IMO Res. A. 754(18) and Appendix A. II.

Remarks

Each item of the mass production to be fitted on vessels classed by RINA is to be previously inspected at the manufacturer workshop by a RINA Surveyor and is to be marked or labelled with the trade name and the data of the Company to whom this Certificate is addressed. The validity of this Certificate ceases in the case of amendments to the rules on the basis of which the Certificate was issued.

Genoa 29/07/2009



rubio

TYPE APPROVAL CERTIFICATE
No. **LAB582308CS/001**



This is to certify that the product identified below is in compliance with the regulations herewith specified.

<i>Description</i>	Fire dampers
<i>Type</i>	A-0 FIRE DAMPERS
<i>Applicant</i>	ISOL.ME.CAR. SRL VIA DEI BAGNI NUOVA 5 34074 MONFALCONE (GO) ITALY
<i>Manufacturer</i>	ISOL.ME.CAR. SRL
<i>Place of manufacture</i>	VIA DEI BAGNI NUOVA 5 34074 MONFALCONE (GO) ITALY
<i>Reference standards</i>	IMO Res. MSC. 61(67) Annex 1 Part 3; Chapter 4, Part C of RINA Rules

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TYPE APPROVAL CERTIFICATE

No. **LAB582308CS/001**

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A-0 FIRE DAMPERS

Product description

Stainless steel or carbon steel fire dampers type 1 - 2 - 2A - 3 - 4 - 4A monoblade and multiblade having sizes ranging from 200 x 200 mm up to 2000 x 1000 mm. The damper blades, composed of two steel sheets 2 mm thick, are insulated between the two sheets with a ceramic fiber layer named FIREMASTER 607 BLANKET or PROMAGLAF HTK BLANKET, 20 mm thick and having density of 96 kg/m³.

Field of application

Fire resistant A-0 Class dampers for passage through decks and bulkheads.

Reference documents

ISOL.ME.CAR drawing No. 0100/012/05 (sheets 1 to 13) dated 9 March 2009 approved with endorsement No. LABS-318 on 28 July 2009.

Tests carried out

Tests as per RINA Fire protection Research Laboratory Reports Nos. 2000CSTO1453/3 and 2000CSTO1453/4 dated 23 February 2001 and RINA Test Laboratory Reports Nos. 2005CS01406/1 and 2005CS01406/2 dated 9 March 2005 issued according to IMO Res. A. 754(18) and Appendix A. II.

Remarks

Each item of the mass production to be fitted on vessels classed by RINA is to be previously inspected at the manufacturer workshop by a RINA Surveyor and is to be marked or labelled with the trade name and the data of the Company to whom this Certificate is addressed. The validity of this Certificate ceases in the case of amendments to the rules on the basis of which the Certificate was issued.

Genoa 29/07/2009

