



**EC TYPE EXAMINATION (MODULE B) CERTIFICATE
(EC-US MRA)**

No.	01-013474/019892
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THIS IS TO CERTIFY:

That Croatian Register of Shipping did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

TYPE AND DESCRIPTION OF PRODUCT

Fire Doors “A-0” CLASS DOUBLE LEAF HINGED LIFT DOORS

NUMBER AND ITEM DESIGNATION (in accordance with Annex of Regulation (EU) 2018/773)

MED/3.16 Fire Doors

MANUFACTURER:

HIDRAL S.A. Poligono Industrial PARSI, calle 7, no.3 41016 SEVILLA SPAIN

REGULATIONS AND STANDARDS (in accordance with Annex of Regulation (EU) 2018/773)

SOLAS 74 as amended Reg. II-2/9, IMO Res. MSC.307(88) – (2010 FTP Code) as amended and IMO MSC.1/Circ. 1511

USCG Module B number: **164.136/EC2489**

NOTICE:

- Further details of the product and conditions for certification are given overleaf.
- This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.
- Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.
- The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of Annex II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.
- In case limitations of use apply, these should be indicated of in the Schedule of Approval.
- This product has been assigned **U.S. Coast Guard Module B number** in accordance with the European Council Decision 2004/425/EC dated 21 April 2004 on the conclusion of an Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment.

Issued by Croatian Register of Shipping, notified body number 2489.

This certificate is valid until: **2023-08-14**

Place and date: **Split, 2019-08-14**

Seal

Signature
Marinko Popović, dipl.ing.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

“A-0” class platform double leaf hinged door for lifts.

A lift door construction consist of two door leaves and frame.

Door leaves are made of 2 steel sheets 1.5 mm thick which are welded together. Two U shaped reinforcement profiles made of 1.5 mm steel sheets are welded between the two sheets of the leaf, one on the upper side and one on the lower side. Distance between two sheets is 52 mm.

Each leaf is reinforced with three “Z” shape profiles made of 1.5 mm steel sheets welded between the two sheets along the complete height of the leaf.

The leaves are connected to the door frame with hinges. Hinges that connect the leaves and the frame are bolted on the front side of jambs and to the door leaves.

Door frame consist of sill made of steel “L” profile 50x50x5, jambs made of 3 mm thick steel sheet and lintel which is made of 3 mm thick steel sheet.

On the upper part of the leaves and housed in the U reinforcement profiles, the following elements are installed:

Hydraulic brake-keeper, contact bridge assembly and lock keeper (only on the right hand leaf).

The lock assembly installed in the lintel is made of an electric lock with an integrated closed door contact and an independent additional contact.

Opening for the triangular key for emergency opening is covered with steel plate.

Aluminium handle is installed on both door leaves.

Dimensions of left hand leaf: 725 x 2168.5 mm

Dimensions of right hand leaf: 705 x 2168.5 mm

2. APPLICATION/LIMITATION OF USE

The door is approved for use only as an integrated part of lift enclosures steel boundaries of class “A-0”.

The door is mounted from the lift casing side of the bulkhead with exposed side to the corridor.

Max. clear opening (w x h): 1340 x 2000 mm

3. DESIGN DRAWINGS AND SPECIFICATIONS

Drawings PRO - 1904310, rev D .

4. TYPE TEST RECORDS/LABORATORY RECOGNITION STATUS

Test reports no. I-4337/19-1 dated 2019-06-06 issued by LTM (Laboratorij za toplinska mjerenja) d.o.o., Oroslovje, Croatia.

5. MATERIALS OR COMPONENTS REQUIRED TO BE TYPE APPROVED OR TYPE TESTED

The surface materials, if used, have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity

6. OTHER MATERIALS AND/OR COMPONENT

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7. PRODUCTION SURVEY REQUIREMENTS

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8. ONBOARD INSTALLATION AND MAINTENANCE REQUIREMENTS

Each product is to be supplied with its manual for installation, use and maintenance.

9. MARKING AND IDENTIFICATION



Subject to compliance with the conditions in this Schedule of Approval which forms part of certificate, and those of Articles 9, 10 and 15 of the Directive, the Manufacturer is allowed to affix the “Mark of Conformity” to the Product described herein.

xxxx/yy
xxx - the number of the Notified Body undertaking surveillance module(2489 in case of CRS)
yy - the last two digits of year mark affixed

This product has been assigned US Coast Guard Module B number **164.136/EC2489**. In those instances where the Notified Body conducting the conformity assessment in accordance with either Module D, E or F of the Marine Equipment Directive is not CRS, such Notified Body would use the above U.S. Coast Guard Module B number to provide the manufacturer with the U.S. Coast Guard approval number by noting it on the Certificate of Conformity, thereby authorizing the manufacturer to mark the product accordingly.

The product is to be marked also with name and address of the manufacturer, type designation and fire-rating.

10. OTHER

If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to being supplied to vessels to which the amended standards apply.

- END OF CERTIFICATE -