



**EC TYPE EXAMINATION (MODULE B)
CERTIFICATE No. MED134920XT/001**

This is to certify that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2020/1170.

<i>MED Item N°</i>	MED/3.25
<i>Description</i>	'A' & 'B' class fire proof windows and side scuttles
<i>Type</i>	A60 FIRE CLASS WINDOW
<i>Applicant</i>	HUSNA YAPI VE GEMİ MALZEMELERİ SANAYİ VE TİCARET LTD.STİ. FATİH BULVARI NO.592 SULTANBEYLİ 34925 İSTANBUL TURKEY
<i>Testing standards</i>	IMO Res. MSC.307(88)-(2010 FTP Code)
<i>Reference standards</i>	Chap. II-2 of SOLAS 74 Convention, as amended, RINA Rules for the certification of Marine Equipment

Issued in RINA Turkey Marine
on
July 9, 2021

This Certificate is valid until
July 8, 2026

This Certificate consists of this sheet plus an attachment

Volkan Celik
RINA Services S.p.A.





**ATTACHMENT TO
CERTIFICATE No. MED134920XT/001
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Manufacturer

HUSNA YAPI VE GEMI MALZEMELERİ SANAYİ VE TİCARET LTD.STİ.

Place of Manufacturer

FATİH BULVARI
NO.592 SULTANBEYLİ
34925 İSTANBUL
TURKEY

Product description

Rectangular window having maximum clear size of 1200 mm x 1800 mm (WxH).The glass compound, type "Saint-Gobain Vetrotech" and having minimum total thickness of 47 mm, is composed, moving from the exposed side, of four toughened panes, 5 mm thick each and, in between, a thermo-expanding gel layer (alkali-silicate), a void space 14 mm thick and a toughened pane having thickness of 6 mm. The frame is composed of a steel flat, 12 mm thick, welded to a steel flat having thickness of 8 mm and fixed, by means of stainless steel M6 screws, to a stainless steel flat, fitted on the exposed side, having dimensions of 40x5 mm. Between the glass faces, the frame and the glass retaining frames, silicone fire Gasket having dimensions of 20x5 mm, are fitted. Between the glass edges and the frame intumescent gasket type Gluske Flexterm, 2 mm thick and, on the lower part, spacers type Calcium Silicate-Promatech block is fitted.The window frame may be welded or bolted to the bulkhead.

Field of application

Fire resistant A-60 Class window with fire hazard on the inner side of the application.

Reference documents

HUSNA YAPI drawings No. A60W BT and A60W WT dated 21 April 2021 reviewed by RINA with number ISFP 2886, ISFP-2887 on 09 July 2021

Tests carried out

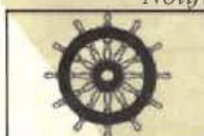
Tests as per TÜRK STANDARDLARI ENSTİTÜSÜ DENEY VE KALİBRASYON MERKEZİ BASKANLIĞI, order No. 617447, issued on 07.06.2021 with report No.AB-0001-T / 617447 according to Resolution IMO 2010 FTP code Res. MSC 307(88)-Annex 1 Part 3 Appendix 1.





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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 a written inspection agreement with a Notified Body



XXXX/YYYY

"WHEELMARK FORMAT"

XXXX Notified Body number undertaking surveillance module
YYYY The year in which the mark is affixed

General conditions for the approval

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.

Volkan Celik

