

Type APPROVAL CERTIFICATE

گواهینامه تأیید نوع محصول

This is to certify that

بدین وسیله تأیید می شود که

Anti-Fire Composite Pipe

لوله های کامپوزیتی مقاوم در برابر حریق

Produced by

تولید شده توسط

FARASSAN Manufacturing & Industrial Co.

60th Km of Siraz- sepidan road

شرکت تولیدی صنعتی فراسان

کیلومتر ۶۰ جاده شیراز - سپیدان

was found to comply with the requirements of:

با الزامات زیر در تطابق است:

ACS Rule & Regulation for the classification of ships

(Part 2 , Ch.14, Sec.4 : Plastic Pipes and Fittings)

&

IMO Resolution A.753 (18),

(Appendix 2 : Fire Endurance testing of Water- Filled Plastic Piping)

And the following information are hereby approved based on this inspection

و اطلاعات زیر براساس این بازرسی مورد تأیید است:

Application

نوع کاربرد

Piping System in Marine Field,

for non-fresh Water & Brine systems

لوله کشی حوزه دریایی برای سیستم های آب شور و غیر آشامیدنی

Certificate No.: ASIA/CE/04/037

Issue Date: ۱۴۰۴/۰۶/۱۵ – 06 Sep. 2025

Expiry Date: ۱۴۰۵/۰۶/۱۲ – 03 Sep. 2026

File No.: 25/10/1/47/395/88815

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This certificate will be valid till the date of expiry, unless the applicant makes any changes and modifications to the approved product which have not been notified to, and agreed with ACS. The applicant is obliged to maintain the quality of the approved product in the condition agreed with ACS.

این گواهینامه تا تاریخ انقضاء ذکر شده معتبر خواهد بود ، مگر اینکه درخواست کننده این تأییدیه تغییراتی در محصول تأیید شده ایجاد نماید که به اطلاع رده بندی آسیا نرسیده و در مورد آن توافق ننموده باشد. درخواست کننده این تأییدیه موظف است که کیفیت محصول مورد تأیید را در شرایط توافق شده با رده بندی آسیا حفظ نماید.

PF/CT/13-01

066652



Mohamad Reza Zafari
Managing Director

Product Description

Anti Fire GRVE pipes

- Used the filament winding process. These pipes are produced with glass fiber reinforcements and anti-fire- resins.
- Exhibited superior resistance to fire and elevated temperatures, while maintaining exceptional mechanical and chemical durability over prolonged service periods.
- Dimensions of Anti-Fire Composite Pipe:
 - Outer Diameter (OD): 25 to 1000 mm
 - Design Pressure: 6 to 32 bar
- Tested according to IMO A753 and ASTM F1173 Standards. So, can withstand external fire temperature up to 1100^oc for 30 minutes.

Application / limitation

Applicable to all pipes sizes up to a maximum diameter of 1000 mm and pressure ratings up to 32 bar for Marine applications, including ships and offshore structures, for fire suppression systems

Note: This certificate doesn't cover the requirement of items like Flame spread, Smoke Generation & Toxicity in piping systems.

Type Examination Documentation

Basis for Approval:

- Fire Test Report No.: R2411-157, DD: 2024/03/12
- Hydraulic Short term leakage: R2024-124, DD: 2024/03/12
- Dimension Test Report: F22203/27
- Resin Test Report: F22201/35

Tests Carried out

Tests are documented in accordance with recommendation on testing of antifire composite pipe by ACS's inspector at manufacturer's work shops.



Certificate No.: **ASIA/CE/04/037**

Issue Date 14.4.06/15 – 06 Sep. 2025

Expiry Date: 14.5.06/12 – 03 Sep. 2026