Certificate No: LR2596780SF
Issue Date: 30/04/2025
Expiry Date: 29/04/2030

Certificate Of Fire Approval

This is to certify that the product(s) detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations for use on offshore units classed with Lloyd's Register, and for use on offshore units and onshore facilities when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer	**Samhwa Paint Industrial Co Ltd**
Address	178, Byeolmang-ro, Danwon-gu, Ansan-si, Gyeonggi, 15619, South Korea
Type	Structural Steel Bulkhead Protection System (Hydrocarbon Fire Test)
Description	Structural Steel Bulkhead Having a Restricted Steel Core Temperature Rise of 400°C when insulated on the flat steel side (fire exposed side) with a "CHARREX PFP 1000" epoxy based intumescent coating system, for Hydrocarbon and Jet Fire Exposures for up to 120 minutes
Trade Name	CHARREX PFP 1000
Specified Standard	Testing generally meets therequirements of: IMO Resolution MSC.307(88) –2010 FTP Code, Annex 1, Part 3 incorporating the Department of Energy Hydrocarbon Time / Temperature Relationship ISO 22899-1:2007 "Determination of the Resistance to Jet Fires of Passive Fire Protection Materials – Part 1 General Requirements"

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.
The Design Appraisal Document and its supplementary Type Approval Terms and Conditions form part of this Certificate.
This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Downloaded Copy

Keith Taylor

Process & Technical Safety Team Lead' to
Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.