Certificate No: LR2584353SF
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.

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|---|---|
| **Manufacturer** | **SAMHWA Paints Industrial Co. Ltd.** |
| **Address** | 178 Byeolmang-ro, Danwon-gu, Ansan-City, Kyeonggi-do, South Korea |
| **Type** | Structural Steel Deck Protection System (Hydrocarbon Fire Test) |
| **Description** | Structural Steel Deck Having a Restricted Steel Core Temperature Rise of 400°C when insulated on the stiffened underside (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 the requirements 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.

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**Keith Taylor**

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

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