Certificate No: LR26539594SF
Issue Date: 25/01/2027
Expiry Date: 24/01/2032

Certificate Of Cryogenic & 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	**International Paint Limited**
Address	Stoneygate Lane, Felling, Gateshead, Tyne and Wear, NE10 0JY, United Kingdom
Type	Cryogenic (Jet Release) and Jet Fire Resisting Protection Systems
Description	Structural Steel Hollow Sections protected with a "CHARTEK 1960CSP" Epoxy Intumescent Coating System, reinforced with "HK-2" Carbon Composite Mesh, applied over a substrate insulation system comprising of Mineral Wool Insulation, GRP Insulation Cladding and a Tie-Coat Layer. The protection system is suitable for: Cryogenic (Jet Release) Exposures for up to 60 minutes; followed by Jet Fire Exposures for up to 210 minutes
Trade Name	CHARTEK 1960CSP
Specified Standard	ISO 20088-3: 2018 "Determination of the Resistance to Cryogenic Spillage of Insulation Materials, Part 3: Jet Releases" 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

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

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