Certificate No: LR26388971SF
Issue Date: 22/10/2026
Expiry Date: 21/10/2031

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	**International Paint Limited**
Address	Stoneygate Lane, Felling, Gateshead, Tyne and Wear, NE10 0JY, United Kingdom
Type	PRESSURE VESSELS HYDROCARBON FIRE PROTECTION SYSTEM
Description	Pressure Vessels protected with “CHARTEK 1709” Epoxy Intumescent Coating, reinforced with “HK-1” Carbon Composite Mesh, for Hydrocarbon Pool Fire Exposures for up to 120 minutes
Trade Name	CHARTEK 1709
Specified Standard	Testing generally meets the requirements of: ISO 21843:2018, “Determination of the resistance to hydrocarbon pool fires of fire protection materials and systems for pressure vessels” BS 8619:2020, “Determination of the resistance to hydrocarbon pool fires of fire protection materials and systems for pressure vessels — Test method”

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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