Certificate No: LR23307770SF
Issue Date: 03/01/2023
Expiry Date: 02/01/2028

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	**Carboline Company**
Address	350 Hanley Industrial Court, St. Louis, MO, 63144, United States
Type	Structural Steel Jet Fire Protection System
Description	Structural Steel Open Sections ('I' Sections) protected with "Pyroclad X1" epoxy intumescent coating system reinforced with 'High Temperature Fabric Mesh', for Hydrocarbon Fire Exposures for up to 150 minutes
Trade Name	"Pyroclad X1"
Specified Standard	International Standard 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
Offshore - Technical Safety, Electrical & Control Team Lead to Lloyd's Register EMEA
A member of the Lloyd's Register group

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