Certificate No: LR23307520SF
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	BULKHEAD PROTECTION SYSTEM (HYDROCARBON FIRE)
Description	Steel Bulkhead insulated on the non-stiffened face (fire exposed side) with "Pyroclad X1" epoxy intumescent coating system reinforced with 'High Temperature Fabric Mesh' or '12.5mm x 12.5mm 19 Gauge Galvanised Steel Mesh', for Hydrocarbon Fire Exposures, for up to an H-120 fire rating
Trade Name	"Pyroclad X1"
Specified Standard	Testing generally meets the requirements of: IMO Resolution A.754 (18) incorporating the Norwegian Petroleum Directorate (NPD) Hydrocarbon Time / Temperature Relationship

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

Offshore - Technical Safety, Electrical & Control Team Lead to Lloyd's Register EMEA
A member of the Lloyd's Register group

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