Certificate No: LR25312847SF
Issue Date: 27/02/2025
Expiry Date: 26/02/2030

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.

Manufacturer	**ASPEN AEROGELS**
Address	30 FORBES ROAD, BUILDING B, Northbourough, Massachusetts, 01532, United States
Type	Structural Steel Fire Protection System
Description	Steel Tubular Sections protected with a “Pyrogel® XTF” Passive Fire Protection System, for UL 1709:2017 rapid temperature rise fire exposures, for up to 85 minutes
Trade Name	Pyrogel® XTF
Specified Standard	UL1709:2017, “UL Standard for Safety Rapid Rise Fire Tests of Protection Materials for Structural Steel”

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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