Certificate No: LR25312879SF
Issue Date: 11/03/2025
Expiry Date: 10/03/2030

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	Jet Fire Resisting Protection Systems
Description	Steel protected with a “Pyrogel® XTF” Passive Fire Protection System, for jet fire exposures, for up to 180 minutes
Trade Name	Pyrogel® XTF
Specified 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

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

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.