DNV·GL

Certificate No:
TAF00001AA

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Jet Fire Protection

with type designation(s)
ContraFlame C20 Flexible Jet Fire Barrier

Issued to
Advanced Insulation Systems Limited
Gloucester, United Kingdom

is found to comply with
DNV GL offshore standards

Application :

Approved for use as a flexible jet fire barrier.

Restricted application: Jet fire against tensioned side

Issued at **Høvik** on **2020-03-16**
This Certificate is valid until **2025-03-15**.
DNV GL local station: **Manchester**

Approval Engineer: **Helge Bjørnarå**

for **DNV GL**

Mårten Schei-Nilsson
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Product description

"ContraFlame C20 Flexible Jet Fire Barrier"
Flexible joint composed of 50 mm thick syntactic foam principally manufactured from silicon polymer and a stainless steel mesh in the outer layer. The joint spanned a 190 mm gap in the substrate panels and is bent through 180 degrees.

Lengths of the system are manufactured and jointed together using wet C20 material butted together with a step joint. The step joint is half of the thickness of the fire barrier.

The joint is connected to the substrate panels using angles plates and M12 nuts and bolts. The interface between the joint and the substrate panels was infilled with PittCharXP.

For further details, see drawings listed under Type Approval documentation below.

Application/Limitation

Approved for use as a flexible jet fire barrier (Type of fire / Type of application / Critical temperature rise [°C] / Period of resistance [minutes]):

Restricted application: Jet fire against tensioned side

Any project specific design solutions, arrived at on basis of this certificate, are to be further validated by the project specific approvals, carried out by the appointed verifying authority for each project, in each case at the detailed engineering stage.

The approval refers only to the fire resistance properties of the system.

Each product is to be supplied with its manual for application, installation and maintenance.

Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, September 2018.

Test Report No. 114Y5BCQ-1, Rev.2 dated 28 July 2017 from DNV GL, Spadeadam, UK.

Drawing "Jetfire Test General Assembly" dated 22 May 2017 from manufacturer

Tests carried out

Tested according to ISO 22899-1.

Marking of product

The product or packing is to be marked with name of manufacturer, type designation and fire-technical rating.

Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNVGL-CP-0338, Section 4.