DNV·GL

Certificate No:
TAF000008G

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Class H Fire Wall and Bulkhead

with type designation(s)
CONTRABLAST

Issued to
Advanced Insulation Systems Ltd.
GLOUCESTER, United Kingdom

is found to comply with
DNV GL offshore standards

Application :

Approved for use as a vertical fire retarding bulkhead of class H-120.

This Certificate is valid until **2021-05-01**.

Issued at **Høvik** on **2016-05-02**

for **DNV GL**

DNV GL local station: **Southampton**

Approval Engineer: **Ragnar Tonjer**

Petter Langnes
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

"CONTRABLAST"
wall panels made of two 7,7 mm thick laminates forming the outer skin of the panel. The panel is stiffened internally and filled with "ContraFlame Lite / MS400" phenolic syntactic foam. Total thickness of the panel is 110 mm.

The panels are connected to each other by a vertical male/female joint. An intumescent strip, 4 x 25 mm, is laid in the joint. A phenolic strip, 102 x 6 mm, is laid over the joint on both sides of the panel. The strip is fixed to the panels by rivets, on both sides of the joint, every 500 mm along the joint.

The installation is to be performed according to the manufacturers drawing No. R&D CER063 – 020.

Application/Limitation

Approved for use as a vertical fire retarding division of class H-120.

Arrangement and fastening of the wall panel is subject to approval in each case.

Maximum size of each panel:	1200 x 2480 (W x H).
Density of "ContraFlame Lite / MS400":	80-100 kg/m^3.
Nominal weight of panel:	50 kg/m^2.

The product should not be used in accommodation or in enclosed areas.

This certificate covers only the hydrocarbon fire properties of the product, i.e. not covering blast protection or jet fire protection.

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

Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, October 2015.

Test Report No. EFR-14-J-000584 dated 2015-04-30 from Efectis, Les Avenieres, France.

Drawing No. R&D CER063 – 020 Rev. 0 dated 2014-11-06.

Tests carried out

Tested according to IMO 2010 FTP Code part 3 with furnace temperature following the hydrocarbon curve according to EN 1363-2:1999.

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 DNVGL-CP-0338 Section 4.