DNV·GL

Certificate No:
TAF00000RV

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Class H Penetration

with type designation(s)
STI Marine Firestop Putty

Issued to
Specified Technologies Inc.
SOMERVILLE NJ, USA

is found to comply with
DNV GL offshore standards

Application :

Approved for use as a cable penetration system in steel decks of class H-60. Other applications are subject for case-by-case approval.

Issued at **Høvik** on **2018-02-19**
This Certificate is valid until **2023-02-18**.
DNV GL local station: **New York**

for **DNV GL**

Approval Engineer: **Fryderyk Hoga**

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

"STI Marine Firestop Putty"
Cable penetration composed of a 7 mm thick steel sleeve with diameter 100 mm and minimum length 152 mm. The steel sleeve is symmetrically welded to the deck. Mineral wool batt of density 96 kg/m^2, is stuffed in the steel sleeve to fill the remaining space between sleeve and cables.

The cables go through the deck in the bundle. Maximum diameter of bundle is 152.4 mm, while maximum diameter of one cable is 50.8 mm.

Minimum 13 mm STI Marine Firestop Putty to be stuffed in both ends of the penetration.

Cables to be fully insulated on unexposed side of deck with a 51 mm thick layer of ceramic fiber blanket (minimum 128 kg/m^3) of approved type, extending minimum 305 mm from the sleeve.

For further details see drawing listed under Type Approval documentation below.

Application/Limitation

Approved for use as a cable penetration system in steel decks of class H-60. Other applications are subject for case-by-case approval. Class H-0 shall be insulated as class H-60 and in addition the division shall be insulated at least 200 mm around the penetration.

No more than 40% of the inside cross sectional area of each transit should be occupied by cables.

The penetration system shall not be used for penetrating boundaries of tanks.

Watertightness and gastightness is not covered in this certificate.

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 2017.

Test Report 01.17457.01.001a[1] (deck) dated 22 June 2012 from SwRI (South West Research Institute).

Drawing No. MP0124 dated 9 October 2013, from Specified Technologies Inc.

Tests carried out

Tested according to IMO FTPC Part 3 and in compliance with IMO 2010 FTP Code Ch. 8 with the hydrocarbon time-temperature curve specified in ISO 834-3.

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.