



# DET NORSKE VERITAS

## EC TYPE-EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2009/26/EC, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by Det Norske Veritas under the authority of the Government of the Kingdom of Norway.

CERTIFICATE NO. **MED-B-5971**

This is to certify that the  
**"B" Class divisions, fire integrity**

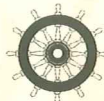
with type designation(s)  
**DI050**

Manufacturer  
**Contech as**  
**ARENDAL, Norway**

is found to comply with the requirements in the following Regulations/Standards:  
Annex A.1, item No. A.1/3.11b and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation II-2.3.4.4. and IMO FTP Code.

Further details of the equipment and conditions for certification are given overleaf.

Høvik, 2010-04-20  
for Det Norske Veritas AS



This Certificate is valid until  
**2015-04-20**

**Eivind Mykland**  
Head of Department

Notified Body No.: **0575**

DNV local office:  
**Kristiansand S**



**Amir Dzaferi**  
Surveyor



The Certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this Certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended. The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.



Certificate No.: MED-B-5971  
Item No.: A1/3.11b  
Job Id.: 344.1-002412-1

## Product description

"DI050"

consist of ceiling panels, made of 0.6 mm painted galvanized unperforated steel plate on exposed side and 0.56 mm galvanized steel plate on upper side and insulated with a core of 50 mm Paroc fire Slab 150 and 110 with density 140 kg/m<sup>3</sup> and 110 kg/m<sup>3</sup> respectively. A stripe of Insulfax Marine Blanket with density 128 kg/m<sup>3</sup> is fitted above the joints. The insulation is glued to the steel plates. The panels are fitted together with joints and steel pop rivets.

The thickness of ceiling panel is 50 mm.

For further details see the drawing and test report mentioned under Type Examination documentation below.

## Application/Limitation

Approved for use in a fire retarding division of class B-15.

When the panels are suspended 300 mm below the structural steel deck, the whole construction is to be regarded as a fire retarding division of class A-30.

Max. panel size: 3000 mm x 600 mm (L x W).

The insulation material, adhesive and surface materials used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

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

## Type Examination documentation

Test report No. PG 11077 Serial No. 8727 dated 14 October 2002 from DIFT, Denmark.

Drawing No.1656-2005A dated 23 August 2002 from Contech AS.

Tested according to IMO FTPC Part 3 (IMO Res. A.754(18)).

## Marking of product

The product is to be marked with name of manufacturer, type designation, fire technical rating, MED Mark of Conformity and USCG approval number if applicable (see below).

## Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a of Certificate Conformity.

## USCG Approval

An U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of certificates of conformity for marine equipment" signed 17 October 2005.

