

# EC-Type Examination Certificate (Module B)



This is to certify that:

TÜV NORD Systems GmbH & Co.KG, notified by the Federal Maritime and Hydrographic Agency of Germany (BSH), did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the essential Fire Protection Equipment requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the details of appraisal attached hereto.

Recognized acc. to 2014/90/EU  
by the BSH  
BSH-Reference No.:  
0800S11/4822/005



**Certificate No.:** M19005

**Applicant:** Novatech International N.V.  
2250 Olen, Belgium

**Product Name:** TEC7/ Seal & Bond MS60, TEC7 Deck Caulking/ Seal & Bond MS30,  
FLEX/ Seal & Bond MS22 and X-Seal

**Trade Name:** -

**Product Description:** Surface materials and floor coverings with low flame-spread characteristics, adhesives used in the construction of 'A', 'B' & 'C' class divisions,

**Regulation Item:** MED/ 3.18e

**Specified Standards:** SOLAS 74 as amended, Regulations II-2/3, II-2/5, II-2/9, X/3,  
IMO Res. MSC.36(63)-(1994 HSC Code)-as amended, 7  
IMO Res. MSC.97(73)-(2000 HSC Code)-as amended, 7  
IMO Res, MSC.307 (88)-(2010 FTP Code)-as amended,  
IMO MSC/Circ. 1120

**Related Directive:** 2014/90/EU – in conjunction with 2018/773/EU


*The attached annex (details of appraisal) is part of this certificate.*

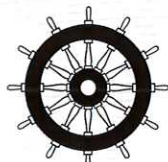
**Date of Issue:** 2019-03-22

**Expiry Date:** 2024-03-22

**Tobias Nelke**

Head of certification body SEECERT  
(Notified Body No.: 0045)

The mark of conformity (wheelmark ) may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached annex (details of appraisal) are complied with. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the notified body SEECERT. Should the specified regulations or standards be amended during the period of validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on the market and on board vessels to which the amended regulations or standards apply.



XXXX/(YY)YY

The marking of approved marine equipment must take place under Article 9, Article 10 and if applicable Article 11 in conjunction with Annex I of the Marine Equipment Directive 2014/90/EU. In addition to the marking, the identification number of the notified body performing the conformity assessment procedure and the year in which the conformity mark was affixed shall be indicated.

XXXX Number of the Notified Body responsible for quality surveillance module.  
(YY)YY The year (last two or four digits) in which the mark is affixed.

## DETAILS OF APPRAISAL

### Appraisal documentation:

Test report(s) Nos.:

- PFB10260A dated 2017-05-09, PFB10260 dated 2017-08-04 (TEC7/ Seal & Bond MS60),
- PFB10313B dated 2018-11-20, PFB10313M dated 2018-11-30 (TEC7 Deck Caulking/ Seal & Bond MS30),
- PFB10313F dated 2018-10-18, PFB10313K dated 2018-10-26 (FLEX/ Seal & Bond MS22),
- PFB10313G dated 2018-10-18, PFB10313L dated 2018-10-26 (X-Seal)

all issued by Danish Institute of Fire and Security Technology (DBI), Copenhagen, Denmark.

(TNS Ref.no.: MED3.20180227.105929)

### Tests carried out:

Tested in accordance with IMO 2010 FTP-Code Annex 1 Parts 5 and 2 and Annex 2.

### Technical principles:

The products "TEC7/ Seal & Bond MS60, TEC7 Deck Caulking/ Seal & Bond MS30, FLEX/ Seal & Bond MS22 and X-Seal" are types of one component sealant and adhesive based on MS-hybrid polymer.

All products are approved for the application as adhesive/ sealant with low flame-spread characteristics, not generating excessive quantities of smoke or toxic products in fire, and on non-combustible material with a density of at least 712,50 kg/m<sup>3</sup>.

Applied quantity of adhesive/ sealant:

- 100 g/m<sup>2</sup> (wet) – (TEC7 Deck Caulking/ Seal & Bond MS30)
- 150 g/m<sup>2</sup> (wet) – (FLEX/ Seal & Bond MS22, X-Seal),
- 200 g/m<sup>2</sup> (wet) – (TEC7/ Seal & Bond MS60),

If the requirement of the maximum gross calorific value acc. to SOLAS Chapter II-2 Reg. 5.3.2 is applicable, this value has to be documented separately.

### Installation:

Assembly procedure on board as per manufacturer's instruction, which has to be supplied together with the product.

### Marking:

Each product shall be permanently marked in accordance with Article 10 of the Council Directive 2014/90/EC of 23<sup>rd</sup> of July 2014 on marine equipment, e.g. certificate (approval) number, fire rating, etc.

### Remarks:

None

### Limitations / Acceptance on use of the product:

See under "Technical principles"