

Type Approval Certificate

This is to certify that Certificate No. 13/00002(E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER Matec Group Srl

PLACE OF Via 1° Maggio PRODUCTION 7 - 20068 Peschiera Borromeo (MI)

Italy

DESCRIPTION COMPOTEC® Composite Flexible Hoses

TYPE AND RATINGS Description: Compotec® hoses EN 13765:2018

Type 2 (SD) & 3 (HD)

Type: CHEM, OIL, PTFE, FOOD, DRAINTEC,

HIGRADE, EXILITE, BIOTEC, BLH HOSE, FRACKHOSE, ABRATEC, CHEMCHLOR,

EXTRAFLEX, HITEMP

Application: Oil, Chemical, Hydrocarbons

Bore Diameter: 3/4" to 12"
Temperature Range: -40 to 80°C

-40 to 125°C PTFE Type -40 to 200°C HITEMP Type

Max Working Pressure: Type 2 (SD): 10 bar

Type 3 (HD): 15 bar

Type of wire: Galvanized steel (Z),

Stainless steel (X), Aluminium (A), Polypropylene (P), PVDF (F)

Description: Compotec® hoses EN 13766:2010 Type 1 and 2

Certificate No. 13/00002 (E2)

Issue Date 21 February 2019

Expiry Date 14 January 2023

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Febrisio Cardeno



Fabrizio Cadenaro Trieste Technical Support Office

Lloyd's Register EMEA

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Type: CYROTEC 660 LG, CYROTEC 661 N

Application: LPG and LNG system

Bore Diameter: 3/4" to 12"

Temperature Range: -50 to 80°C (Type 1)

-175 to 80°C (Type 2)

Max Working Pressure: Type 1 LPG 25 bar

Type 2 LNG 13 bar

10 bar when used for IBC and IGC cargoes and for diameters 10" to 12"

Type of wire Stainless steel (X), Galvanized steel (Z)

STANDARDS/CODES LR Rules and Regulations for the Classification of Ships;

LR Rules and Regulations for the Classification of Fixed Offshore

Installations; EN 13765:2018; EN 13766:2010; IMO IGC Code; IMO IBC Code.

APPLICATION Flexible hoses for Oil, chemical and Hydrocarbon Systems in LNG/LPG

carriers, marine and offshore applications.

OTHER CONDITIONS The hose types are to be suitable for the service conditions.

The hose assemblies are to be installed and tested to the satisfaction of the

attending surveyor.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 13/00002 (E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 13/00002 (E2)

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Trieste Technical Support Office
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