## **APPROVAL CERTIFICATE**

This is to certify, that the undernoted products have been approved in accordance with the relevant requirements of the DNV GL Approval System.

Certificate N	No.	11 580 - 14 HH
Company		FMI S.p.A.
		Via Taranto 10/12
		25036 Palazzolo Sull' Oglio, ITALY
Product		Graphite gasket sheet material
Туре		Flexigraf FGS3
Technical D Application	ata /	Flexigraf FGS3 is a foil (with more than 99% graphite) reinforced by tanged stainless steel core (AISI 316L grade) with 0,1mm thickness. Appearance: grey color, sheet size 1500 x 1500 mm Thickness: 0,5 up to 3 mm Density (ASTM F 1315): 1,5 [g/cm3] Compressibility (DIN 3535-6): 30 - 45 [%] Recovery (DIN 3535-6): 3 - 7 [%] Creep relaxation (DIN 3535-6): less than or equal to 5 [%] Gas Permeability/specific leakage (DIN 3535-6): less than 0,1 [mg s-1 m-1] NOTE 1: The specified data are for gaskets of 1.5 mm thickness. Temperature: max.+700 [°C] (inert or reducing media), max.+550 [°C] (oxidizing media) min200 [°C] Pressure: max. 200 [bar] NOTE 2: The recommended temperatures and pressures applicable for different gasket thicknesses are to be according manufacturer's instructions. RANGE APPLICATION: The gaskets may be used under consideration of the mechanical and physical properties as well as the chemical resistance as follows: - Ship's piping systems excluding cargo lines on Chemical and Gas Tankers carrying propylene oxide and mixtures of ethylene / propylene oxide. - Maximum allowable working pressure and temperature according to the specification of the manufacturer.
Approval Standard		DIN 3535-6, ASTM F1315, SOLAS 74 as amended – Chapter II-1-Reg.3.5.2 – asbestos free compliance.
Documents		Inspection Certificate (EN 10204-3.2) no. 140006 dated 2014-09-12; FMI - Laboratory Test Reports no. 574, 592; Test Report no. 14LA02746 (MADE/HSE) dd. 2014-03-24 (asbestos-free); Fire test report (API 6FB) dd.2010-12-31 (Yarmouth Res. And Technology); DIN-DVGW type examination certificate NG-5124BU0235 dd. 2009-07-06; Initial Survey and Audit Report (GL Genoa) dd. 2014-10-06; Technical Data Sheet (FMI) – Flexigraf FGS3 - (Sept. 2014); Declaration of asbestos-free content dd. 2014-06-12; EN ISO 9001:2008 cert. (TÜV Nord) no. 44100110614.
Remarks		The selection of the gaskets for the corresponding application and the correct installation are to be in accordance with the instructions of the manufacturer.
Valid until	2019-10-21	
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File No.	XI.B.03	

Hamburg, 2014-10-22



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