



## Type Approval Certificate

This is to certify that the undernoted product has been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

<b>PRODUCER</b>	Ferolite Jointings Ltd
<b>PLACE OF PRODUCTION</b>	C-178, Site No.1 B.S.Road Industrial Area Ghaziabad U.P -201001 India
<b>DESCRIPTION</b>	Non Asbestos Gasket Materials
<b>TYPE</b>	Ferolite NAM 49
<b>APPLICATION</b>	Flanged pipe joints in marine piping system
<b>SPECIFIED STANDARDS</b>	ASTM

### RATINGS

Type	Max. Continuous Temperature	Max. Operating Pressure	Sheet Thickness
NAM 49	150°C	40 Kg/ cm <sup>2</sup>	0.40~6.00mm

### TECHNICAL DATA

Type	Ferolite NAM 49
Density	1.7-2.00 (g/ cm <sup>3</sup> )
Tensile Strength	≥ 6 (N/ mm <sup>2</sup> ) ASTM F 152- Across Grain
Compressibility	5 -15% ASTM F36A
Recovery	≥ 40% ASTM F36A

### MATERIAL

<b>Ferolite NAM 49</b>	Cellulose Fibre, Mineral Fibre, Organic Fibre & High Quality Elastomers
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<b>Certificate No.</b>	17/ 00008
<b>Issue Date</b>	20 January 2017
<b>Expiry Date</b>	19 January 2022
<b>Sheet</b>	1 of 2



M.H.M.Rila  
Southampton Technical Support Office  
Marine & Offshore Lloyd's Register

Lloyd's Register EMEA  
71 Fenchurch Street, London EC3M 4BS

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**RESTRICTIONS:**

May not be used in superheated steam, gas and refrigerants lines.

Gasket Materials are to be used in machinery space and flammable fluid systems are to be of fire tested type.

**OTHER CONDITIONS**

Gasket Materials are to be selected, installed and tested in accordance with the manufacturer's instructions and Lloyd's Register's Rules and Regulations for the Classification of Ships, Part 5, Chapter 12, Section 8.

*"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. 17/00008 and its supplementary Type Approval Terms and Conditions form part of this Certificate*

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**Sheet** 2 of 2

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