



# TYPE APPROVAL CERTIFICATE

**Certificate No.** : LDN04980-BM003                      **Initial Approval** : 15th February, 2000  
**Product** : Non-Metallic Bearing Materials  
**Manufacturer** : Trelleborg Sealing Solutions Rotherham  
Bradmarsh Business Park, Rotherham, S60 1BX, United Kingdom.

**Product Description** : Type : Orkot "TXM Marine"  
Used for :  
- Rudder stock bearings, operated dry or lubricated by grease or water.  
- Rudder carriers, operated dry or lubricated by grease.  
- Rudder pintle bearings, operated in water.  
- Propeller shaft bearings, lubricated by water.  
    (bearing with length/diameter ratio of not less than 2:1)  
- Stabilizer bearings, lubricated by grease or water.  
- Allowable nominal bearing pressure of 10 N/mm<sup>2</sup>.

**Approval Condition** : Individual Product Certification is not required.

**THIS IS TO CERTIFY** that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 5, Ch. 3, Sec. 2, Art. 206 and Pt. 4, Ch. 1, Sec. 9, Art. 901 of the Rules for Classification of Steel Ships.

This Certificate is valid until 24th October, 2024

Issued at Busan, Korea on 29th October, 2019



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No (ME19030936584) and certificate No.(LDN04980-BM003).



**KOREAN REGISTER OF SHIPPING**

*General Manager of  
Marine & Ocean Equipment Team*

*Note : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.  
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.  
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.  
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.*