



# DET NORSKE VERITAS

## TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. **P-13831**

This is to certify that the  
**Miscellaneous Fittings for Pressurised Equipment**

with type designation(s)  
**MAREFLEX MF-01, AntiSpray Tape**

Manufactured by  
**MAREFLEX GmbH**  
**HAMBURG, Germany**

is found to comply with  
Det Norske Veritas' Rules for Classification of Ships

Application  
**Screening of pipe joints and fittings in accordance with IMO SOLAS Consolidated Edition, 2009,  
Chapter II-2/ Regulation 4, item 2.2.5.3**

**Temperature range:** Max. 150 degr.C Fluid Temp.  
**Design pressure:** For use with piping of maximum 15 bar internal pressure.  
**Operating media:** For use with pipe flanges and fittings in systems for fuel oil, lube oil and other flammable oils.

Høvik, 2011-06-24  
for Det Norske Veritas AS

This Certificate is valid until  
**2015-06-30**

  
Oivin Lorentzen  
Head of Section

DNV local office:  
Gdansk



  
Tom Bjørn Hansen  
Principal Surveyor

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.  
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.