



Marine &amp; Offshore

Certificate number: 52746/A0 BV

File number: .

Product code: 2239H

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

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## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**WINTEB B.V.**

WINSCHOTEN - NETHERLANDS

*for the type of product*

**FLOATS FOR AIR PIPE CLOSING DEVICES**

Float balls for air pipe closing devices

### Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 28 Aug 2024**

**For Bureau Veritas Marine & Offshore,**

At BV GRONINGEN, on 28 Aug 2019,

John Mondt



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site [www.veristar.com](http://www.veristar.com). Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

## THE SCHEDULE OF APPROVAL

### **1. PRODUCT DESCRIPTION**

#### **Float balls for air pipe closing devices**

##### 1.1 Size range

<b>Ball Diameter (mm)</b>	<b>Wall Thickness (mm)</b>
60	6.5
75	8.5
90	4.5
105	6.1
120	6.2
130	8
145	6
155	8.7
170	6
200	11
227	7.2
240	8.4
250	12
280	8.6
325	8.3
360	8.1
400	7.8
480	9
530	8.6

##### 1.2 Raw material

Polyethylene resin: DOWLEX NG 2432 UE

*When other choices of materials are used per manufacturer's recommendations, the BV agreement is to be obtained.*

### **2. DOCUMENTS AND DRAWINGS**

- Drawing N° PE-ball dated 20/02/2018 Rev. 0

- Material data sheet N° 400-00084151en dated 02/07/2013 (Polyethylene resin)

*No departure from the above documents shall be made without the prior consent of the Society. The manufacturer must inform the Society of any modification or change to these documents and drawings.*

### **3. TEST REPORTS**

- Compression and Impact test reports of non-metallic floats dated october 2017 to April 2019 witnessed by a BV Surveyor according to IACS Unified Requirements P3 Rev. 4 January 2016. All the sizes have been type tested.

### **4. APPLICATION / LIMITATION**

4.1 - May be used on air pipe closing devices intended for ballast water, fresh water and oil fuel fluids.

4.2 - The use of the floats for air pipe closing devices is to be in accordance with the instructions of the manufacturer and Bureau Veritas Rules.

## **5. PRODUCTION SURVEY REQUIREMENTS**

5.1 - The products are to be supplied by **WINTEB B.V.** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **WINTEB B.V.** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **WINTEB B.V.** has declared to Bureau Veritas the following production site:

**Willi Goebel Kunststoff, Inhaber Wilhelm Goebel**

**Industriestr. 4**

**59929 Brilon-Scharfenberg**

**GERMANY**

## **6. MARKING OF PRODUCT**

N/A

## **7. OTHERS**

It is **WINTEB B.V.**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

**\*\*\* END OF CERTIFICATE \*\*\***