



Marine &amp; Offshore

Certificate number: 38972/C0 BV

File number: MAT 96620-2014

Product code: 8160I

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

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## APPROVAL CERTIFICATE for MATERIALS

*This certificate is issued to*

**Hi-Con Technocast Pvt. Ltd. Unit I**  
RAJKOT - INDIA

*for the type of product*

### SPECIAL ALLOY CASTINGS

Nickel alloy castings with maximum weight 60Kg.

#### 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: 24 Jun 2030**

**For Bureau Veritas Marine & Offshore,**

At BV MUMBAI (BOMBAY), on 24 Jun 2025,

Nitin NALAWADE

***This certificate was created electronically and is valid without signature***



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 :**

Nickel alloy castings with maximum weight 60kg.

Melting by Induction furnace. Investment castings by lost wax process. Heat treatment as applicable.

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

2.1 - Documents issued by Hi-CON Technocast Pvt. Ltd.:

- "General information about the manufacturing process"; "Specific information about the manufacturing process" submitted on April 2014.

- "BV Marine Renewal Documents" dated 06 June 2019.

- Ref.P-QA-01 Rev.04 dated 08 February 2019.

- "Part 2 - Preliminary information" dated 10 May 2025.

### **3. TEST REPORTS :**

3.1 - Approval test reports for castings grade CW6MC issued by Hi-CON Technocast Pvt. Ltd dated March 2014.

3.2 - Typical tested grade:

-CW6MC according to ASTM A494.

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

4.1 - As per Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units.

4.2 - Chemical composition, tensile properties and Charpy-V notch test requirements are to be as per Bureau Veritas Materials Rules for Classification of Steel Ships and/or alternative specification mentioned on reviewed documents & drawings, as applicable.

### **5. PRODUCTION SURVEY REQUIREMENTS :**

5.1 - The castings are to be supplied by Hi-CON Technocast Pvt., Ltd Unit I. in compliance with the type and the requirements described in this certificate.

5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.

5.3 - BV product certificate is required.

5.4 - For information, Hi-CON Technocast Pvt., Ltd. Unit I has declared to Bureau Veritas the following production site:

**Hi-CON Technocast Pvt., Ltd. Unit II**  
G-1321, Behind Kadvani Forge Kishan Gate,  
GIDC Metoda, Kalavad Road,  
RAJKOT  
INDIA

### **6. MARKING OF PRODUCT :**

6.1 - Each nickel alloy casting that has been tested with satisfactory results are to be marked with the following information:

- Manufacturer's name or trademark

- Bureau Veritas' brand

- Identification marking enabling traceability, such as cast number, heat number, or batch number

- Material grade and classification

- Additional markings where applicable, such as test pressure or specific inspection references

Additional marking requirements specific to castings shall be in accordance with the "Marking" article in the relevant section of Bureau Veritas NR216 Rules on Materials and Welding for the Classification of Marine Units.

### **7. OTHERS :**

7.1 - It is Hi-CON Technocast Pvt., Ltd. Unit I'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.

7.2 - This certificate supersedes the Type Approval Certificate N° 38972/B0 BV issued by the Society.

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