



Marine & Offshore  
Division

Certificate number: 48947/A0 BV

File number: COAT 108279-2017

Product code: 8115D

*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*  
**NANOSHINE GROUP CORP.**  
TAIPEI - TAIWAN

*for the type of product*  
**ANTI-FOULING SYSTEMS**  
Ceramic Pro Marine

**Requirements:**

Appendix to IMO MEPC.195(61) - Guidance for compliant anti-fouling systems

*This certificate is issued to attest that BUREAU VERITAS 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: 25 Feb 2022**

**For BUREAU VERITAS,**  
At BV TAIPEI, on 25 Feb 2017,  
Yi YEH



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. 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 Division 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 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 :**

Ceramic Pro Marine is a organotin-free anti-fouling coating.

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

As per anti-fouling system Product Data Sheet:

- Ceramic Pro Marine - Technical data sheet dated 16/12/2016.

As per anti-fouling system Material Safety Data sheets:

-Ceramic Pro Series - Ref.PRO2238 dated 08/02/2017.

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

- Ref.CE/2016/B0939 dated 09/11/2016 issued for Ceramic Pro Marine. Letter signed by Nanoshine Group Corp.

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

The Type Approval Certificate is invalid if the formulation or either the type of biocide is changed. Nanoshine Group Corp. has to inform Bureau Veritas of any changes to the formulation. This recognition does not cover other properties such as anti-fouling performance and durability, environmental properties, or corrosion protection other than regulated by the Convention. Furthermore fire resistance, health and safety precautions aspects are not considered within this certification.

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

The anti-fouling system Ceramic Pro Marine is to be supplied by Nanoshine Group Corp. in accordance with the type described in this certificate. This type of product is within the category DBV of Bureau Veritas Rule Note NR320.

Nanoshine Group Corp. has declared to Bureau Veritas the following production site:

No.3-4, Fenglin Road, Bali Dist.,  
249 New Taipei City, TAIWAN

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

Anti-fouling system container marked with: Manufacturer, Trade Mark Name, Manufacturing site, Batch number.

### **7. OTHERS :**

Nil.

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