

MARINE DIVISION

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Certificate number: 04872/D0 BV

File number : ACM 171/0502/001

Product code : 0015H

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

BUREAU VERITAS

TYPE APPROVAL CERTIFICATE

as per Bureau Veritas Classification Rules

This certificate is issued to

E. WOOD Limited
NORTHALLERTON - UNITED KINGDOM

for the type of product

SURFACE PROTECTION AND COLD REPAIR PRODUCTS

THORTEX - METAL - TECH E.G, F.G, R.G and X.G
THORTEX - CERAMI - TECH C.R, E.G, F.G and H.G

Regulations and standards :

BUREAU VERITAS for the Classification of Steel Ships.

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 of the Regulations and standards mentioned above.

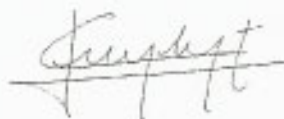
This certificate is valid until : 07 Mar 2012

At Paris la Défense, on : 07 Mar 2007

For BUREAU VERITAS,
By order of the Secretary

Approval office

Local office : BV LONDON
Surveyor : S. Yule



L. COURREGELONGUE



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 Division. 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 :

MTEG/0991, MTFG/0790, MTRG/0990 and MTNG/1190
CTCR/0191, CTEG/0991, CTFG/0990 and CTHG/1090

2. DOCUMENTS AND DRAWINGS :

Improved formulation, Specification: Polymer metal repair system/Ceramic metal repair system.

3. TEST REPORTS :

Not applicable.

4. APPLICATION / LIMITATION :

4.1 - Repairs of machinery components according to the Maker's specifications and procedures recommendations set forth in the above documents.

4.2 - The repairs must be undertaken by the Maker or its recognized operators.

4.3 - The load carrying capacity and/or the structural integrity of the repaired machinery component are not to depend on the strength of the added resin.

4.4 - Details of the proposed repairs are to be submitted for approval in each case.

On board installation & Maintenance requirements:

- The repairs must entered in the log-book of the equipment.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The THORTEX METAL ... and THORTEX CERAMI ... are to be manufactured, examined and tested by E. WOOD Limited, in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

5.2 - Production sites are to be recognized by Bureau Veritas as per NR320 for HBV products. To this end E. WOOD Limited has to make the necessary arrangements for a Society's Surveyor to perform visits and product audits at the production sites.

5.3 - E. WOOD Limited has declared to Bureau Veritas that the type of product described in this certificate are manufactured at the following production site:

E. WOOD Limited
Standard Way
Northallerton
United Kingdom

5.4 - The repaired equipment must be tested as requested by the Rules for new equipment.

6. MARKING OF PRODUCT :

Trade name for identification.

7. OTHERS :

7.1 - It is understood that the herewith mentioned manufacturer will give the shipyards and the related subcontractors all the relevant information for the proper fitting and uses of the product covered in this Type Approval Certificate. This information has to include the conditions stated in the Certificate.

It is also understood that Bureau Veritas remains rightfully entitled to perform any check or test on the product at any time.

7.2 - This Certificate supersedes the Type Approval Certificate N° 04872/D0 BV issued on 27.03.2002 by the Society.