

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Surface materials and floor coverings with low flame-spread characteristics: paint systems

with type designation(s)
KCI Marine PR & KCI Marine BTD

Issued to
Kangnam Jevisco Co., Ltd.
Gyung-sangnam-do, Republic of Korea

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559**,
Annex A.1, item No. A.1/3.18b and Annex B, Module B in the Directive; SOLAS 74, Reg. II-2/3, II-2/5, II-2/6, II-2/9 & X/3, IMO MSC/Circ. 1120, 2000 HSC Code 7 and IMO 2010 FTP Code

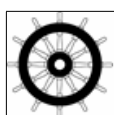
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-03-02**.

Issued at **Hamburg** on **2016-11-10**

DNV GL local station:
Gimhae MC & FIS

Approval Engineer:
Timo Linn



Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudzus
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

Job Id:
Certificate No: **MEDB00001MW**

Product description

KCI Marine PR & KCI Marine BTB is a paint tested on a steel sheet.

Density: 7.85 ±10% g/m³
Application rate: 7.85 g/m²

Maximum organic content
KCI MARINE PR : 13%
KCI MARINE BTB : 30%

Thickness
KCI MARINE PR : 80µm
KCI MARINE BTB : 35µm

Colour: White , Black and other colours

Application/Limitation

Low flame spread surface material, not generating excessive quantities of smoke nor toxic products in a fire.

Approved for use as paint systems on a metallic substrate with thickness of at least 10 mm.

Maximum gross calorific value shall be documented separately where applicable, ref. SOLAS Chapter II-2 Reg. 5.3.

Each product is to be supplied with its manual for application and use.

Type Examination documentation

Test Report No. A2015-0524 of 2015-05-18 and A2015-0525 of 2015-05-18 issued by FILK, Korea.
(DNVGL Ref. No.15-076763)

Tests carried out

Tested according to IMO Res. MSC.307 (88) – (2010 FTP Code), Annex 1, Part 5 and Part 2

Marking of product

The product or packing is to be marked with name of manufacturer, type designation and MED Mark of Conformity (see page 1).