DNV·GL

Certificate No:
MEDB00000VK

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive (EU) 2015/559, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Surface materials and floor coverings with low flame-spread characteristics: decorative veneers

with type designation(s)
"KCC Cerakwool New Bio Alpha 1200(64K) + G.C.F(612, 10 µm)

Issued to
KCC Corporation Ltd. Gimcheon Plant
Gimcheon Gyeongsangbuk-do, Republic of Korea

is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/3.18a 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 **2021-05-22**.

Issued at **Høvik** on **2016-05-23**

for **DNV GL AS**

DNV GL local station:
Ulsan

Approval Engineer:
Espen Kultorp

Notified Body
No.: **0575**

Vidar Dolonen
Head of Notified Body

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Product description

"KCC Cerakwool New Bio Alpha 1200(64K) + G.C.F(612, 10 μm)".
Consist of an aluminium foil and layer of glass fiber cloth faced to "KCC Cerakwool New Bio Alpha 1200" ceramic fiber with glue.

"KCC Cerakwool New Bio Alpha 1200(64K)":
Density: 64 kg/m^3

"G.C.F(612, 10 μm)":
Maximum aluminium thickness: 10 μm
Maximum fiber glass thickness: 120 μm

"KCC Cerakwool New Bio Alpha 1200(64K) + G.C.F(612, 10 μm)":
Minimum product thickness: 45 mm

Application/Limitation

Approved for use as low flame spread surface material, not generating excessive quantities of smoke nor toxic products in fire.

Approved for use as decorative veneer on non-combustible substrate.

Maximum organic content: 1%

Any adhesive used, other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5 and to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

The product satisfies the requirement for maximum calorific value (ref. Solas Chapter II-2, Reg 5.3.2.2) without further testing.

Each product is to be supplied with its manual for installation, use and maintenance.

Type Examination documentation

Tests carried out

Tested according to IMO 2010 FTP Code part 5 and Annex 2 item 2.2 and 2.3.

Marking of product

The product or packing is to be marked with name of manufacturer, type designation, fire-technical rating, MED Mark of Conformity and USCG approval number if applicable (see page 1).