



DET NORSKE VERITAS

EC TYPE-EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2002/75/EC, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This certificate is issued by Det Norske Veritas under the authority of the Government of the Kingdom of Norway.

CERTIFICATE NO. MED-B-2488

This Certificate consists of 2 pages

This is to certify that the product

**Surface materials and floor coverings with
low flame-spread characteristics: floor coverings**

with the type designation(s)

Granit Multisafe

Manufactured by

**TARKETT AB
RONNEBY, Sweden**

is found to comply with the requirements in the following Regulations/Standards:

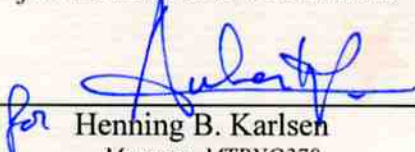
Annex A.1, item No. A.1/3.18c and Annex B, Module B in the Directive. SOLAS 74 as amended, Reg. II-2/3.29, II-2/3.40.4, II-2/5.3.2.4, II-2/6.2 & X/3, 2000 HSC Code 7.4.3.4, 7.4.3.6 and IMO FTP Code

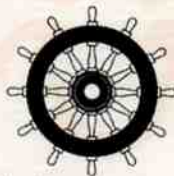
Further details of the product and conditions for certification are given overleaf.

Place and date

Høvik, 2004-08-11

for DET NORSKE VERITAS AS


for **Henning B. Karlsen**
Manager, MTPNO370
Department Systems & Components

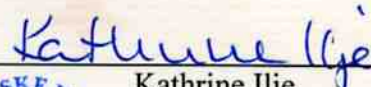


Notified Body No. 0575

This Certificate is valid until

2009-06-10




Kathrine Ilje
Surveyor

DNV local office:
DNV Gothenburg

Notice: The certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended.

The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: MED-B-2488
Case No.: EC-FP-144
File No.: A1/3.18C

Product description

“Granit Multisafe”

Composed of homogenous filled plasticized PVC. Thickness between 1.9 and 2.13 mm, weight between 2.790 and 3460 g/m².

Applications/Limitations

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

Approved for application according to IMO MSC/Circ. 1004.

The floor covering may be bonded to the substrate with “Balls F45” adhesive (used during testing). Any other adhesive has to be approved for low flame spread characteristics and low emission of smoke toxic gases according to the Marine Equipment Directive.

Each product is to be supplied with its manual for installation/application and maintenance.

Type Examination documentation


Test reports Warres No. 129279 dated 20 February 2003 and Warres No. 127471 dated 5 November 2002 from Warrington Fire Research Centre, Warrington, UK.

Tested according to IMO FTP Code parts 2 and 5.

Marking of product

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

Mark of conformity

The manufacturer is allowed to affix the Mark of Conformity  according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

END OF CERTIFICATE

