



# 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-3687**

This Certificate consists of 2 pages

*This is to certify that the product*

**Fire Doors**

*with the type designation(s)*

**B-30 Hi-Noise Single Door Type SM-B30-3HI**

*Manufactured by*

**Sung Mi Co., Ltd.**

**Kyungnam 621-840, Republic of Korea**

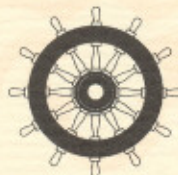
*is found to comply with the requirements in the following Regulations/Standards:*  
Annex A.1, item No. A.1/3.16 and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation II-2/9.4.1.1.2, II-2/9.4.1.2.1 & II-2/9.4.2 and IMO FTP Code

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

*Place and date*

Høvik, 2006-07-05

for DET NORSKE VERITAS AS



*This Certificate is valid until*

2011-07-05

*Tore Morten Wetterhus*

**Tore Morten Wetterhus**  
Manager, MTPNO370

Department Systems & Components

Notified Body No. 0575\*



*Håkon Laskemoen*

**Håkon Laskemoen**  
Surveyor

*DNV local office:*  
**DNV Pusan Station**



*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-3687  
Case No.: 344.1-000440-1  
File No.: A.1/3.16

### Product description

“B-30 Hi-Noise Single Door Type SM-B30-3HI”

composed of single leafed hinged door with doorblades composed of 0,8 mm steelplates on each side of insulation core of 50 mm mineral wool with density 200 kg/m<sup>3</sup>, insulation manufactured by Kungang Korea Chemical Co.Ltd.

The door may be fitted with ventilation grill and kick-out panel (Max. 600 x 800 mm).

The doorframe may be welded or bolted to the bulkhead. Total thickness of doorblade 50 mm.

For further details see approved drawing listed below.

### Application/Limitations

Approved for use as an integrated part of fire retarding divisions of class B-30.

Max. clear door opening: 1000 x 2070 mm (width x height).

The insulation, any surface materials and the pneumatic or electric operation system used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

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

### Type Approval documentation

Test report No. 200011352, dated 9 April 2001 from Fire Insurers Laboratories of Korea.


Drawing No. D-001003-1 dated 3 October 2000 from Sung Mi Co., Ltd.

Tested according to IMO FTPC Part 3 (IMO Res. A.754(18)).

### Marking of product

The product or packing is to be marked with name of manufacturer, type designation, fire-technical rating and Mark of Conformity (see overleaf).

### 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

