



Approval Certificate

Germanischer Lloyd

This is to certify, that the product identified below has been tested in accordance with the relevant procedures as contained in the Fire Test Procedure Code (IMO-Res. MSC.61(67)) and was found in compliance with the applicable performance criteria contained in the specified standard.

Certificate No.	3292306 HH
Company	Banco W.H. Banel - Gdansk ul. Gdanska 16 PL-83031 Rusocin
Product Description	Ceiling with pullman box type B15/A30
Product Type	Class B-15 ceiling
Approval Standard	- IMO Res. MSC.61(67), Annex 1, Part 3 - IMO Res.A.754(18)
Documents	Test report no.: RO-05/B-152/E dated 2006-02-28 issued by Ship Design and Research Centre S. A., Gdansk, Poland.
Application	The above product may be applied on ships classed with Germanischer Lloyd and on ships for which the Society is responsible for the issue of the relevant certificate required by the "International Convention for the Safety of Life at Sea, 1974" including amendments as authorized by contracting governments.
Remarks	class A-30 deck in combination with a 5 mm thick and suitable stiffened steel deck (see page 2).
Valid until	2011-04-20
	The company must inform Germanischer Lloyd of any modification or changes to approved product in order to obtain a valid certificate.

Page 1 of 2

Hamburg, 2006-04-27

Germanischer Lloyd

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The latest edition of the General Terms and Conditions of Germanischer Lloyd is applicable.
German law applies.



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Principle components:

Class B-15 ceiling - Pullman box [dimensions: 1000 mm x 2250 mm (width x length)], consisting of rock wool insulation (thickness: 50 mm on top surface and 30 mm on side surfaces) covered with 0.6 mm galvanized steel sheet, Pullman box is installed in a B-15 class ceiling with panels made of 0.55 mm galvanized steel sheet insulated with mineral wool (thickness: 30 mm), acc. to dwg. no.: TD-02/12/05.

Class A-30 deck – 5 mm steel deck suitable stiffened in combination with B-15 class ceiling construction, distance between ceiling and deck at least 340 mm.

Insulation:

- Rockwool Marine Slab 150 made by Rockwool A/S Denmark [density: 150 kg/m³]

surface materials:

Combustible surface materials shall have low flame-spread characteristics and shall not be capable of producing excessive quantities of smoke and toxic products.

Installation:

Installation on board according to manufacturer's instruction.

Where the panels are penetrated for the passage of electric cables, pipes ducts, etc., or for the fitting of the ventilation terminals, lighting fixtures and similar devices, arrangements shall be made to ensure that the fire resistance is not impaired.

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Page 2 of 2

Hamburg, 2006-04-27