



# 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.	<b>3292206 HH</b>
Company	<b>Banco W.H. Banel - Gdansk ul. Gdanska 16 PL-83031 Rusocin</b>
Product Description	<b>self-suspended ceiling B15/A30</b>
Product Type	<b>Class B-15 ceiling</b>
Approval Standard	<b>- IMO Res.MSC.61(67), Annex 1, Part 3 - IMO Res.A.754(18)</b>
Documents	<b>Test report no.: RO-05/B-147/E dated 2006-01-20 issued by Ship Design and Research Centre S.A., Gdansk, Poland.</b>
Application	<b>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.</b>
Remarks	<b>class A-30 in combination with a 5 mm thick and suitable stiffened steel deck (see page 2).</b>
Valid until	<b>2011-04-20</b>
	<b>The company must inform Germanischer Lloyd of any modification or changes to approved product in order to obtain a valid certificate.</b>

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Hamburg, 2006-04-27

**Germanischer Lloyd**

Andreas Ullrich

Hiltraud Möhlmann

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: Self-suspended ceiling, panels made of 0.55 mm galvanized steel sheet insulated with mineral wool, acc. to drwg. no.: TD-01/12/05.

Class A-30 deck – 5 mm steel deck suitable stiffened in combination with B-15 class ceiling, type 45-001, distance between ceiling and deck at least 320 mm.

## insulation:

- Rockwool Marine Slab 150 made by Rockwool A/S Denmark [density: 150 kg/m<sup>3</sup>]

## dimension:

maximum panel size: 300 x 3000 mm (width x length)

thickness: 30 mm

## 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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