

U.S. Department of
Homeland Security

United States
Coast Guard



Commandant
United States Coast Guard

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16714/164.040/8/0
COGUMELO
January 12, 2005

Mr. Daniel Pilz
Cogumelo Indústria e Comércio LTDA
Av. Brasil, 44879 – Campo Grande
Rio de Janeiro, RJ-Brasil
23078-000
BRAZIL

Subj: CERTIFICATE OF APPROVAL OF COGUMELO GM 60 PHENOLIC GRATINGS

Ref: (a) Your letter dated September 16, 2004
(b) Mr. Nicholas' letter dated November 17, 2004
(c) PFM 2-98, Policy File Memorandum on the use of fiber Reinforced Plastic (FRP)
Gratings and Cable Trays

Dear Mr. Pilz:

In response to references (a) and (b), we reviewed the test reports and quality control manual submitted for approval of Cogumelo GM 60 Phenolic Grating. It has been determined this grating is fire retardant and met the Level 2 (L2) structural fire integrity requirements as specified in reference (c). We issued and enclosed the Certificate of Approval with number 164.040/8/0 for Cogumelo GM 60 Phenolic Grating.

Please ensure that the Cogumelo GM 60 Phenolic Grating is permanently and legibly marked with the name of the manufacturer, the brand or designation, the lot number or date of manufacture, and the Coast Guard approval number.

The enclosed Certificate of Approval remains valid for five years from the date of issuance, unless we suspend, withdraw, or terminate it. Please note the terms on the reverse side of the approval certificate.

16714/164.040/8/0
COGUMELO
January 12, 2005

If you have any questions or concerns on this subject, please contact LT Nic Samonte of my staff at the above address or telephone number.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. G. Lantz', with a stylized flourish extending to the right.

J. G. LANTZ
Chief, Lifesaving & Fire Safety Standards Division
Office of Design and Engineering Standards

Encl: Certificate of Approval 164.040/8/0

Copy: Omega Point Laboratories (Mr. John Nicholas)



U. S. Department of Homeland Security
United States Coast Guard
Certificate of Approval

Coast Guard Approval Number: 164.040/8/0

Expires: 12 January 2010

FIBER REINFORCED PLASTIC GRATING

Cogumelo Industria e Comercio LTDA
Av. Brasil. No 44879
Campo Grande 23078-000
Rio de Janeiro BRAZIL

Cogumelo GM 60 Phenolic Grating is approved for fire integrity of Level 2 (L2) with a maximum unsupported span of 1120 mm with a Flame Spread/Smoke Generation: 0/0.

Cogumelo GM 60 Phenolic Grating; maximum unsupported span of 1120 mm, bearing bar thickness of 38 mm, and bearing bar maximum spacing of 38 mm on center. All grating reinforcements, resins, adhesives and construction details be installed per manufacturer's instructions Approved and acceptable for use in locations and applications allowed in US Coast Guard PFM 2-98 for fire retardant FRP grating meeting structural fire integrity Level 2 (L2) and Flame Spread/Smoke Generation per ASTM E-84: 0/0.

Identifying Data: Omega Point Laboratories Project No. 16623-121441, dated October 30, 2004 and 16623-120798, dated August 31, 2004 and OPL Document No. 16623-1, Revision a, dated November 2004.

This type approval is contingent on continuous compliance of the product verified via follow up services by Omega Point Laboratories per Document No. 16623-1, Revision a, dated November 2004.

Only valid for grating manufactured at the above location.

*** END ***

THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.



GIVEN UNDER MY HAND THIS 12th DAY OF
JANUARY 2005, AT WASHINGTON D.C.

J. G. LANTZ
Chief, Lifesaving and Fire Safety Standards Division
BY DIRECTION OF THE COMMANDANT

TERMS: The approval of the item described on the face of the Certificate has been based upon the submittal of satisfactory evidence that the item complies with the applicable provisions of the navigation and shipping laws and the applicable regulations in Title 33 and/or Title 46 of the Code of Federal Regulations. The approval is subject to any conditions noted on this Certificate and in the applicable laws and regulations governing the use of the item on vessels subject to Coast Guard inspection or on other vessels and boats.

Consideration will be given to an extension of this approval provided application is made 3 months prior to the expiration date of this Certificate.

The approval holder is responsible for making sure that the required inspections or tests of materials or devices covered by this approval are carried out during production as prescribed in the applicable regulations.

The approval of the item covered by this certificate is valid only so long as the item is manufactured in conformance with the details of the approved drawings, specifications, or other data referred to. No modification in the approved design, construction, or materials is to be adopted until the modification has been presented for consideration by the Commandant and confirmation received that the proposed alteration is acceptable.

NOTICE: Where a manufacturer of safety-at-sea equipment is offering for sale to the maritime industry, directly or indirectly, equipment represented to be approved, which fails to conform with either the design details or material specifications, or both, as approved by the Coast Guard, immediate action may be taken to invoke the various penalties and sanctions provided by law including prosecution under 46 U.S.C. 3318, which provides:

"A person that knowingly manufactures, sells, offers for sale, or possesses with intent to sell, any equipment subject to this part (*Part B. of Subtitle II of Title 46 U.S.C.*) and the equipment is so defective as to be insufficient to accomplish the purpose for which it is intended, shall be fined not more than \$10,000, imprisoned for not more than 5 years or both."