

High performance acoustic, thermal and fire insulation



PROMAGLAF® WB ALU

Non-combustible stone wool needled felt for thermal and acoustic insulation in the marine market.



General features

PROMAGLAF® WB ALU is a flexible stone wool needled felt; it is compact and free from binders and coated on one side with reinforced aluminium foil. PROMAGLAF® WB ALU has excellent tear resistance and is particularly appropriate for marine applications, where both high acoustic and thermal performance is required.

Technical features

Designation	Stone wool
Colour	Brown/Aluminium foil face
Nominal density	130-180kg/m ³ ± 10%
Service temperature (EN 14706)	700°C
Fibre melting point	> 1000°C
Weighted geometric mean fibre diameter less 2SD	> 6µm
Organic content	≤0.03%
Thermal conductivity at average temperature of:	
100°C	0.0536W/mK
200°C	0.0705W/mK
300°C	0.0942W/mK
400°C	0.125W/mK
500°C	0.162W/mK
600°C	0.206W/mK
700°C	0.253W/mK
Reaction to Fire DIR 96/98/EC as modified DIR 2009/26/CE	Certificate n° MED281911CS/003 MED Item n° A.1/3.13 USCG category n° 164.109
Acoustic performance – ISO 10532	Page 2

Rolls dimensions:

Thickness [mm]	Length [mm]	Width [mm]
15	7500	1000
20	5500	1000
40	3000	1000

Tolerances - standard roll

Width:	± 2 %
Length:	± 3 %
Thickness:	± 10 %

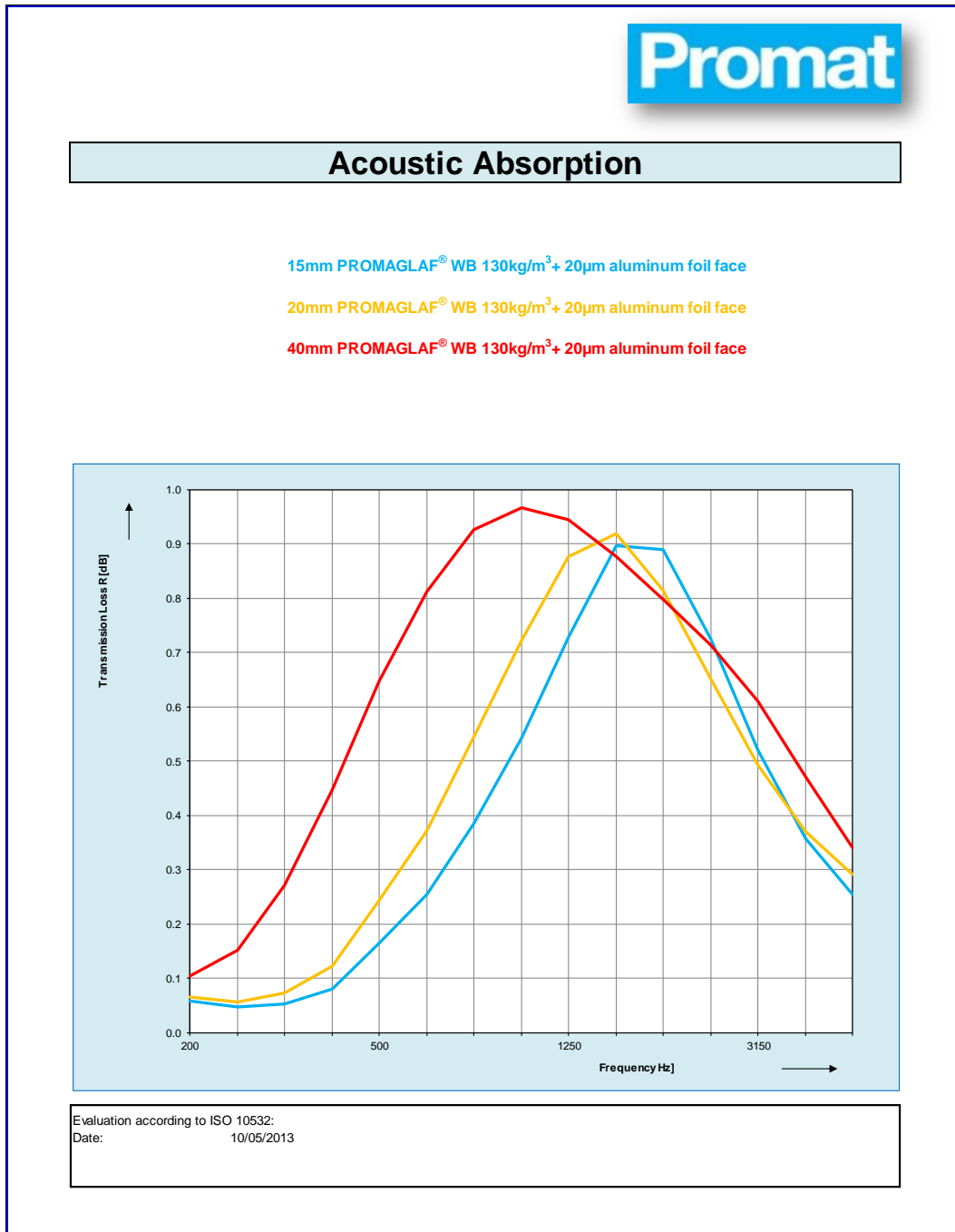
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Workability:



PROMAGLAF[®] WB ALU can be easily manually cut and fixed using metal pins or adhesives from the PROMASEAL[®] range.

Sound absorption of PROMAGLAF[®] WB ALU density 130kg/m³



Data according to SEA Simulation

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EC TYPE-EXAMINATION CERTIFICATE - MODULE B PROMAGLAF WB

Non-combustibility

Certificate n° MED281911CS/003

MED Item n° A.1/3.13

USCG category n° 164.109

 **RINA**


EC TYPE EXAMINATION (MODULE B)
CERTIFICATE Nr. MED281911CS/003

This is to certify, that RINA, specified as Notified Body N° 0474 by the Italian "Ministero delle Infrastrutture e dei Trasporti Direzione Generale per la Navigazione ed il Trasporto Marittimo ed Interno" on 23 November 1998, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Directive 2009/26/EC.


MED Item N°	A.1/3.13
USCG Category N°	164.109
Description	Non-combustible materials
Type	PROMAGLAF® WB ALU
Applicant	PROMAT RESEARCH AND TECHNOLOGY CENTRE
	BORMSTRAAT 24 B - 2830 TISSELT BELGIUM
Testing standards	IMO Res. MSC.61(67)-(FTP Code) Annex 1 Part 1, IMO MSC/Circ. 1120
Reference standards	Chap. II-2 and X of SOLAS 74 Convention, as amended, RINA Rules for the certification of Marine Equipment

Issued at Genoa on **October 25, 2011** This Certificate is valid until **October 24, 2016**

This Certificate consists of this sheet plus an attachment


Dino Ettore Cervetto
HEAD OF TECHNICAL SERVICES UNIT

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Fax +39 010 5381000

 **RINA**

ATTACHMENT TO
CERTIFICATE Nr. MED281911CS/003
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Manufacturer
PROMAT SPA

Place of Manufacturer
CORRO PADAMINI 50/3
10125 GENOVA (GE)
ITALY

Product description

Needled mineral fiber felt with aluminium foil.

- Nominal density range (kg/m³) 130 - 180 ± 10%
- Nominal thickness range (mm) 15 - 40
- Maximum organic content 0.03%

Fields of application

As non combustible material.

Tests carried out

Tests as per RINA Test Laboratory reports No. 2011CS012819/1 dated 5 October 2011 and No. 2011CS012819/3 dated 17 October 2011 issued according to:

- IMO Res. A.798(19) (Test method ISO 1182:1990)
- UNI EN 13820:2004

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The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex B of the Directive is fully complied with a written inspection agreement with a Notified Body

 **XXXXYY**

"WHEELMARK FORMAT"
XXXX Notified Body number undertaking surveillance module
YY Last two digits of year mark affixed

USCG Approval

This product has been assigned a U.S. Coast Guard module B number (USCG number: **164.109/EC0474**) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004. The manufacturer is allowed to affix the U.S. Coast Guard approval number to the above equipment subject to the authorization of the Notified Body undertaking the surveillance module.

General conditions for the approval

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved prior to it being placed on board vessels to which the attached regulations or standards apply.


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The values given in this data sheet are average values of tests carried out on samples of operating production lots. Promat reserves the right to change the technical features of the product at any time and without preliminary notice. By virtue of the different operation conditions, Promat recommends verification that the product is appropriate for the specific conditions required. Promat cannot be held responsible for any possible inappropriate use.