



Marine & Offshore

Certificate number: 31787/B0 BV

File number: ACI1355/20/1

Product code: 6955H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

PCC PRODEX Sp. z o.o.

Brzeg Dolny - POLAND

for the type of product

THERMAL INSULATION MATERIALS FOR REFRIGERATING PLANTS

Self-Extinguishing Rigid Polyurethane Foam Type EKOPRODUR S0329

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships.

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 25 Apr 2023

For Bureau Veritas Marine & Offshore,

At BV GDANSK, on 25 Apr 2018,

Janusz URBAN



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarm.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=8xftqrptm7>

BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Rigid polyurethane foam "EKOPRODUR S0329"

Two components (A+B) polyurethane system designed for the production of self-extinguishing rigid polyurethane foam.
Density 35.2 kg/m³.

2. DOCUMENTS AND DRAWINGS:

Technical information dated 22-06-17, version 10.5.

3. TEST REPORTS:

Self extinguibility test report Nr.RS-13/B-005/E dated 23/01/2013 as per ISO 3582:2002 from Centrum Techniki Okretowej S.A Poland.

4. APPLICATION / LIMITATION:

4.1 - May be used on vessels granted with applicable refrigerating additional notations in accordance with Pt F Ch 7 of the Society's Rules. When used on vessels granted with applicable refrigerating additional notations the rigid polyurethane foam together with its surface lining shall satisfy low flame spread properties as per 2010 FTP Code, Part 5.

4.2 - Valid for use when applicable regulations do not require non-combustible material for bulkheading.

4.3 - The fitting aboard to be the same as used for the tests.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The **EKOPRODUR S0329** is to be supplied by **PCC PRODEX Sp. z o.o** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **PCC PRODEX Sp. z o.o** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **PCC PRODEX Sp. z o.o** has declared to Bureau Veritas the following production site(s):

PCC PRODEX Sp. z o.o.
Ul. Sienkiewicza 4
56-120 Brzeg Dolny
POLAND

6. MARKING OF PRODUCT:

The product or packing is to be marked with manufacturer name, type, designation and fire-technical rating.

7. OTHERS:

7.1 - It is **PCC PRODEX Sp. z o.o** 's responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This Certificate supersedes the Type Approval Certificate N° 31787/A0 BV issued on 06/02/2013 by the Society.

***** END OF CERTIFICATE *****