

TYPE EXAMINATION CERTIFICATE

This is to certify:**That the Insulation Materials for Gas Carriers**with type designation(s)
Divinycell CY - Series

Issued to

DIAB S.P.A.
Longarone BL, Italy

is found to comply with

Gaztransport & Technigaz Specification Nr. M3504, Insulating Material, Rev. A, January 2007**Application :****Insulation of a LNG carrier at a temperature of -163°C.**Issued at **Hamburg** on **2017-03-21**This Certificate is valid until **2022-03-20**.DNV GL local station: **Venice**for **DNV GL**Approval Engineer: **Guido Michalek**

Thorsten Lohmann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Examination Certificate and not to the approval of equipment/systems installed.



Product description

Rigid and closed cell co-polymer foam.

Approved variants

	Test method	Unit	Divinycell CY33	Divinycell CY55	Divinycell CY100
Nominal density	ISO 845	Kg/m ³	38	60	120
Thermal conductivity	ASTM C 518	W/mK	<0.030	<0.030	<0.036

Type Examination documentation

- Technical Data Sheet
- Quality assurance documentation issued by DIAB
- Test Report issued by DIAB Longarone based on test results witnessed by a DNV GL surveyor, dated 2017-03-03.
- Audit report issued by DNV GL Venice

Limitation

The material is only approved for use in No. 96 Containment Systems built under licence from GAZTRANSPORT & TECHNIGAZ SAS (GTT). Deliveries to actual shipbuilding projects shall be in compliance with the "Insulating Material", GTT Technical Specification Nr. M3504, revision A, dated January 2007. Precondition is a valid level 2 approval from GTT.

Assessed production site

Via Alemagna 29
32013 Faè di Longarone
Italy

Periodical assessment

The scope of the Periodical Assessment is to verify that the conditions stipulated for the Type Examination is complied with and that no alterations are made to the product design or choice of materials. Periodical Assessment has to be performed in accordance with Class Programme CP-0338.

Remarks

This certificate supersedes the Type Examination K-5007.