

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Pourable Compound for Foundation Chocking**with type designation(s)
Phillymastic TG-7B Liquid and Paste

Issued to

**ITW Engineered Polymers
Montgomeryville PA, United States**is found to comply with
**DNV GL rules for classification – Ships
DNV GL class programme DNVGL-CP-0432 – Type Approval – Pourable compounds for
foundation chocking****Application :****Moulding of supports made of laminated densified wood for LPG/LEG/LNG gas tanks.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed
by DNV GL.**Issued at **Hamburg** on **2017-06-26**This Certificate is valid until **2022-04-30**.for **DNV GL**DNV GL local station: **Certification & Inspection
Services**Approval Engineer: **Joachim Rehbein**

**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 Approval Certificate and not to the approval of equipment/systems installed.



Job Id: **262.1-025846-1**
Certificate No: **TAM00000KC**

Product description

Two component casting compound - Epoxy based resin and hardener with fillers

Assessed production sites:

ITW Engineered Polymers, Bay 150, Shannon Industrial Estate, Shannon, Co.Clare, V14 DF82, Ireland

ITW Engineered Polymers, 130 Commerce Drive, Montgomeryville PA 18936,USA

Application/Limitation

Moulding of supports made of laminated densified wood for LPG / LEG / LNG tanks.

Application temperature: -165°C up to 40 °C

Compatible with all types of plywood and with stainless steels

Resistant to methane, propane, salt and fresh water

Impervious to mineral oil

Any significant changes in design and/or quality of the material will render the approval invalid.

Installation only in accordance with DNVGL rules and work instruction of manufacturer. The application shall be conducted by a Class or ITW authorised company.

Type Approval documentation

Tests carried out

Production quality tests

Marking of product

The product to be marked with manufacturer's name or trademark and type number identification.

Periodical assessment

For retention of the Type Approval, a surveyor to the Society shall perform an assessment every second year and before expiry date of this certificate to verify that the conditions of the type approval are in compliance with the Type Approval documentation and have not been changed.

END OF CERTIFICATE