



NIPPON KAIJI KYOKAI

COPY

TYPE APPROVAL CERTIFICATE

Certificate No. TA17586M

This is to certify that the undernoted products have been approved in accordance with the requirements of 2.1.1, Chapter 2, Part 6 of the Society's "Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use".

This certificate is issued to

Manufacturer: ITW Performance Polymers
130 Commerce Drive, Montgomeryville, Pennsylvania 18936, United States of America

ITW Performance Polymers (Wujiang) Co., Ltd
No.4680 Pang Jin Road, Wujiang Economic Development Zone, Wujiang City
Jiangsu Province, P.R.C., Post Code: 215200

ITW Performance Polymers
Bay 150, Shannon Industrial State, Co. Clare, Ireland

ITW Polymers and Fluids
100 Hassall Street, Wetherill Park, NSW, Australia 2164

Product description: Epoxy Resin Chocking Material

Model: Chockfast Orange PR610TCF

Approval No.: 07DD007B

Valid until: 25 December 2022

This certificate is subject to the conditions specified in the attached sheets.

Issued at Tokyo on 26 December 2017.



F. Taguchi
General Manager
Machinery Department

This approval is valid for chocking material of diesel engines, gears and other auxiliary machinery under following conditions:

- (1) Pressure acting on the chocks due to machinery dead weight is not to exceed 0.9N/mm^2
- (2) Maximum allowable total pressures depending on temperature are as follows:

Temperature (°C)	Pressure (N/mm ²)
90	2.33
80	4.41
70	5.88
60	7.03
50	8.02
40	8.70
30	9.40
20	10.05

- (3) The installation is to be carried out according to the manufacturer's specification.
- (4) The drawing showing the resin chocking arrangement for approval and the surface pressure calculation sheet for reference are to be submitted in each case of application to a ship classed or to be classed with the Society, prior to the commencement of work.
- (5) The shipowner will be requested that the alignment of machinery and the state of chocks are to be examined by the Society's surveyor at each periodical survey.

- The End -