

# REGISTRO ITALIANO NAVALE

## TYPE APPROVAL CERTIFICATE No. MAC/3599/1/TO/99

This is to certify that the undernoted product is found to be in compliance with the applicable requirements of the RINA type approval system.

<i>Description</i>	Pourable resin compound
<i>Type</i>	Chockfast Orange PR-610 TCF
<i>Applicant</i>	ITW PHILADELPHIA RESINS
<i>Producer</i>	ITW PHILADELPHIA RESINS
<i>Place of production</i>	130 Commerce Drive, Montgomeryville, PA 18936 (USA)
<i>Normative reference document</i>	RINA Rules

Issued at Genova on 26 March 1999

This type approval certificate is valid until 25 March 2004

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Franco Sacchi

This document consists of this sheet and appendix



**Reference documents**

Manufacturer's technical bulletins no. 659 C, 692A

**Materials/Components**

Epoxy resin compounds

**Technical characteristics**

- Maximum service temperature of chocks: 80°C
- Maximum specific load on the chocks due to the weight of machinery: 0.7 N/mm<sup>2</sup>
- Maximum specific load on the chocks due to the weight and the holding-down bolt tension: 4.4 N/mm<sup>2</sup>

**Fields of application**

Foundation chocking of diesel engines, reduction gears and other auxiliary machinery

**Acceptance conditions**

- For propulsion plant arrangements, prior to each individual installation, detailed plans of the chocking arrangement with bolt stress calculation are to be submitted for approval
- The installation on board is to be made in accordance with the manufacturer's instructions, by qualified personnel approved by the manufacturer, to the satisfaction of the RINA surveyor
- The proper alignment of the machinery is to be checked both prior to pouring and after tightening of the holding-down bolts
- After hardening of the chocks and prior to tightening of the holding-down bolts a hardness test is to be performed, the Barcol hardness being at least 24
- The tightening-up of the main engine holding-down bolts controlled at the installation is to be checked after sea trials when cooled down.

**Remarks**

This Type Approval Certificate annuls and replaces the previous one no. MAC/017/93 dated 3<sup>rd</sup> February 1993

