Shipbuilding & Repair Solutions
Chockfast Orange Chocking Compound

Chockfast products for chocking marine engines, propulsion systems and sterntube applications.

The Main Engine is the most expensive, most important and hardest working component on any ship. To keep a vessel at sea running smoothly, maintaining the precise alignment of the Main Engine with the Propulsion System is critical.

The excellent structural properties of Chockfast Orange enable it to hold the precise alignment of such critical machinery throughout its working life. This reduces the risk of breakdowns by minimizing wear and tear of seals, bearings and couplings thereby reducing the operating cost of the vessel.

Approved by all major Classification Societies, Chockfast Orange provides a convenient chocking solution for all types of machinery and equipment. The formulation is designed to be user friendly. The quantity of hardener mixed with the resin can be adjusted to varying conditions of steel temperature and chock thickness, making it easy to use in hot and cold weather.

CHOCKFAST ORANGE
the reliable, poured-in-place, epoxy resin chocking system used to install more than 50,000 main propulsion engines plus auxiliaries over a 50 year period.

Expert Solutions for Machinery & Equipment

As pioneers of resin chocking systems for installing critical machinery onboard oceangoing vessels, our Chockfast products are the industry standard for chocking of Main Engines and Propulsion Systems. We continue to provide the marine industry with time proven solutions that ensure cost and process efficiencies using high performance polymers.

The right grouting system, as part of a well engineered equipment system, can provide years of cost effective, reliable performance. The “Chockfast System” supports more horsepower than any other system. From thin pour epoxy chocks to large foundation repairs, Chockfast has the properly engineered system for all your critical equipment needs.
The ship illustration shows the areas of application for Chockfast Orange:

- Chockfast Orange for propulsion systems
- Chockfast Orange for steering gear and rudder carrier
- Chockfast Orange for sterntube and strut bearings
- Chockfast Orange for pintle & rudder bearings
- Chockfast Orange for generators and auxiliary equipment
Description

Chockfast Orange® is a specially formulated 100% solids, two component inert filled casting compound developed for use as a chocking or grouting material. Chockfast is designed to withstand severe marine and industrial environments involving a high degree of both physical and thermal shock. The compound is non-shrinking and has very high impact and compressive strength. Years of successful in-service experience have shown the use of Chockfast Orange® to be a far superior yet less expensive method of establishing and permanently retaining precise equipment alignment under extreme conditions.

Chockfast Orange® is approved or accepted for its intended marine use by American Bureau of Shipping, Lloyd’s Register, Bureau Veritas, Det Norske Veritas, Germanischer Lloyd and most other major regulatory agencies worldwide.

Areas of Application

Chockfast Orange® was developed as a chocking or grouting compound for use under marine main propulsion machinery. The compound is used under diesel and gas engines, reduction gears, generators, compressors, pumps, bearing blocks, crane rails and numerous other applications. Chockfast Orange® requires no special tools.

Key Physical Properties

Coefficient of Linear Thermal Expansion (0-60 °C):
30.8 x 10^-6/°C
(ASTM D-696)

Compressive Strength:
131MPa
(ASTM D695 - Mod)

Fire Resistance:
Self extinguishing
(ASTM D635)

Linear Shrinkage:
0.0002 mm/mm (0.02%)
ASTM D2566

Pot Life:
30min @ 21°C

For further technical information, consult our TDS