

POURABLE CHOCKING COMPOUND

PR-610TCF

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 and most other major regulatory agencies worldwide.



INTENDED USE

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

TYPICAL PHYSICAL PROPERTIES

Technical data should be considered representative or typical only and should not be used for specification purposes.

		Standard Tests
Coefficient of Linear Thermal Expansion: Temperature Range 0°C to 60°C	30.8 x 10 ⁻⁶ /C°	ASTM D-696
Compressive Modulus of Elasticity	3678MPa	ASTM D-695
Compressive Strength	131 MPa	ASTM D-695 (Mod)
Fire Resistance	Self extinguishing	ASTM D-635
Flexural Strength	52.6 MPa	ASTM C-580
Flexural Modulus of Elasticity	5935 MPa	ASTM C-580
Hardness – Barcol	40-44 fully cured / 35 minimum	ASTM D-2583
Linear Shrinkage	0.0002 mm/mm / 0.02%	ASTM D-2566
Pot Life	30 min. @ 21°C	
Specific Gravity	1.58	
Tensile Strength	34.2 MPa	ASTM D-638
Cure Time	48 hours @ 15°C / 36 hours @ 18°C 24 hours @ 21°C / 18 hours @ 26°C	
Shelf Life	More than 18 months	

Shock Resistance	Pass MIL-S-901C (Navy) High Impact Shock Test, Grade A, Type A, Class 1	
Shear Strength	37.2 MPa	FED-STD-406 (Method 1041)
Thermal Shock	Pass – 18°C to 100°C	
Vibration	MIL-STD-167	

ESTIMATING DATA

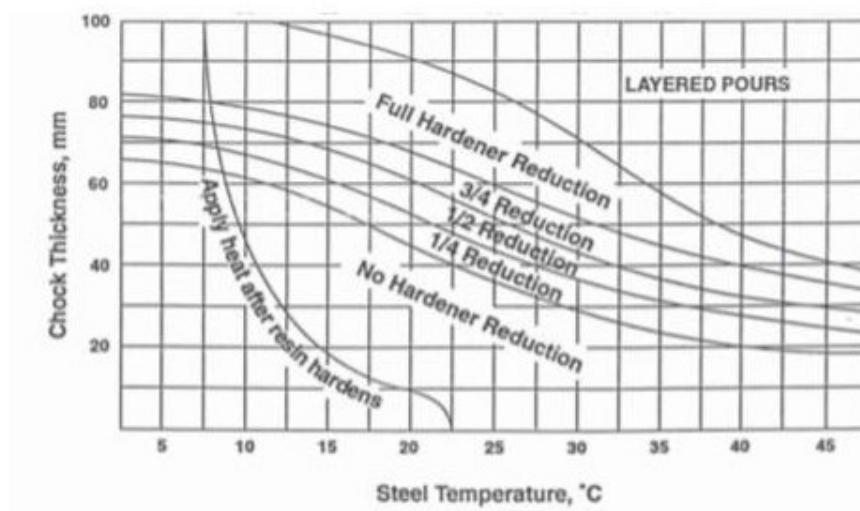
3.4kg kit Chockfast Orange® = 1.96 Litres

HARDENER RATIO GUIDE

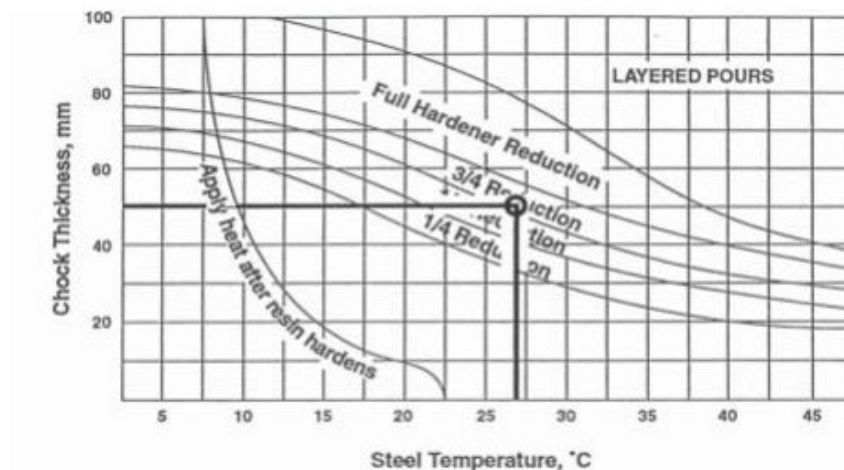
The hardener ratio may be varied to optimize the reaction and cure. Note that the resin temperature should be in the range 20° – 25°C.

The hardener reduction lines are to be read with the bottle standing upright.

The maximum amount of hardener possible should normally be used. The graph is for guidance, and the optimum amount will usually be slightly more than it shows. Dispose of excess hardener in an approved manner and do not collect the remainder of several bottles in one bottle as it may be mistaken for a complete hardener unit.



Example: 50mm chocks, steel temperature 27°C, ¾ reduction of hardener



APPLICATION INSTRUCTIONS

Consult ITW Polymers & Fluids Technical Department for the application directions for this product.

STORAGE

Store in dry conditions between 10°C and 30°C, away from sources of heat and naked flames. Protect from frost. When stored in original sealed containers, the minimum shelf life is two years.

WARRANTY

Epirez will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

DISCLAIMER

All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Polymers & Fluids and EPIREZ® makes no representations or warranties of any kind concerning this data.

ORDER INFORMATION

Item No.	Package Size
D11900	3.4 kg

CONTACTS

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For Health & Safety information, refer to Safety Data Sheet available from ITW Polymers & Fluids upon request or available on our website.

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