EPIREZ

Chockfast Orange®

TECHNICAL DATA

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, 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.

Physical Properties

Coefficient of Linear Thermal Expansion: Temperature Range: 0℃ to 60℃	30.8 x 10^{-6}/C°	ASTM D-696
Compressive Modulus of Elasticity:	3678 MPa	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℃	
Specific Gravity:	1.58	
Tensile Strength:	34.2 MPa	ASTM D-638

The information contained in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided should be used as a guide only as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Conditions Of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids excludes all other warranties in relation to this product.

Last Modified May 2012

Physical Properties continued

Cure Time:	48 hours @ 15℃ 36 hours @ 18℃ 24 hours @ 21℃ 18 hours @ 26℃
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℃ to 100℃ ASTM D-746
Vibration:	MIL-STD-167

Estimating Data

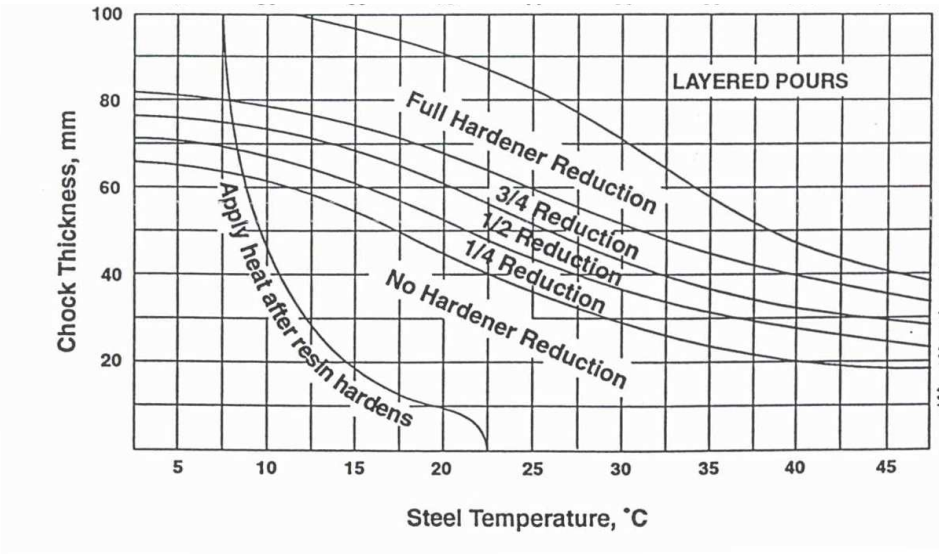
3.4 kg kit Chockfast Orange® = 1.96 Litres

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℃.

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.



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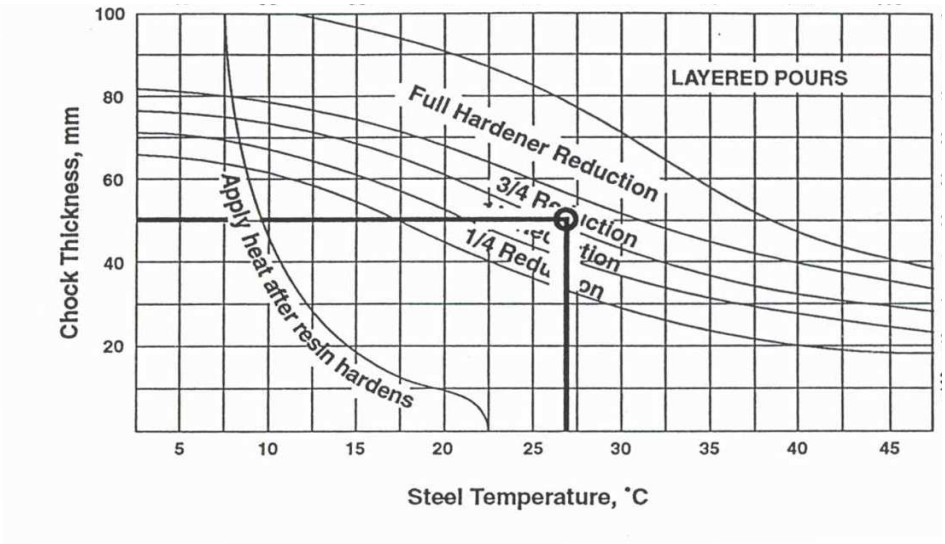
Example: 50mm chocks, steel temperature 27℃, ¾ red uction of hardener



Application Directions

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

Storage and Shelf Life

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

Packaging

Chockfast Orange® is available in 3.4 kg packs. Each pack contains Hardener and Compound in correct proportions for use.

Ordering information:

3.4 kg #D11900

Health & Safety Information

The product is hazardous. A Material Safety Data Sheet is available from the ITW Polymers & Fluids Technical Department upon request or available on our website www.epirez.com.au .

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