

Product Description

Chemfix Epoxy Rapid Cure (ERC) is a two-part 1:1 ratio mix solvent free, rapid curing, epoxy based woodfiller. It is specially designed for small repairs to timber which are subject to stress and impact. Its excellent structural strength and adhesion also enables it to be used as an adhesive.

E.R.C. is supplied in a specially designed side-by-side cartridge that fits into a custom made gun accurately dispensing the filler. A unique nozzle attached to the end of the cartridge may be used to blend the base and activator components fully to ensure an accurate mixing. Once cured, Epoxy Rapid Cure can be machined, drilled and accepts nails, screws etc. E.R.C. can be coated with most decorative wood finishes.

Key Features

- Solvent Free - suitable for indoors and outdoors
- Rapid Curing
- Cartridge System Ensures Accurate Mixing
- High Strength & Durability
- Fast and Simple to Use, Easy to Clean and Store
- Excellent Adhesion Properties to Many Surfaces

Epoxy Rapid Cure
400ml

Available Sizes

400ml 1:1 Nylon Cartridge
Option for Mixer attachment



Typical Hardening Time*

BASE MATERIAL TEMPERATURE (°C)	25	15	5
TYPICAL GEL TIME (mins)	4	9	12
TYPICAL CURE TIME (mins)	45	60	90

*This is the typical gel time for 100ml of mixed product, cure time for 17ml mass.

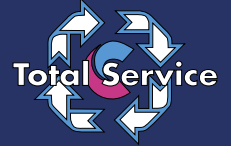
Typical Performance Data

	Drillable	Sandable	Outdoors	Indoors	Weathered	Knotted	Stainable	Mix Ratio	Solids Content	Volume	Primer System	Application Temp.
E.R.C.	•	•	•	•	•	•	•	1:1	100%	400cm ³	E.W.S	0 - 25°

*Wood may absorb a stain differently to the filler. We would always advise use of a test panel when working with the stainable grade.

Typical Physical Property

	E.R.C.	-	TEST METHOD	STORAGE / SHELF LIFE	IMPORTANT
COMPRESSIVE STRENGTH N/mm ²	25.00	-	(ASTM 695)	This product should be stored between +5°C & +25°C. The Shelf life of the product is 12 months from the manufacture date.	The information and data given is based on our own experience, research and testing and is believed to be reliable and accurate. However, as Chemfix Products cannot know the varied uses to which its products may be applied, or the methods of application used, no warranty as to the fitness or suitability of its products is given or implied. It is the users responsibility to determine suitability of use. For further information please contact our Technical Department.
APPEARANCE	CREAM	-	-		
E MODULUS N/mm ²	970	-	(ASTM 790)		
TENSILE STRENGTH N/mm ²	10	-	(ASTM 638)		
MIXED DENSITY g/cm ³	1.45	-	-		



Preparation & Mixing & Application

Prior to application, all surfaces should be clean and sound. See preparation information on Timbabuild E.W.S. data sheet prior to application of Epoxy High Build.

- 1) Mount the cartridge into the dispensing gun. If using the mixing nozzle, extrude the first 10cm of resin to waste to ensure a consistent mix.
- 2) Apply the E.R.C. directly to the area being filled. Use a spatula or metal scraper to level off the E.R.C.
- 3) For larger repairs plastic shuttering may be required to hold the E.R.C. in place. This can be removed once the E.R.C. has cured leaving a smooth level surface.

Splicing Method

In circumstances where the damage or rot infestation is too extensive, traditional splicing methods may be used. Timbabuild E.R.C. will improve the performance by sealing the joint and increasing the bond strength.

- i) remove the existing section of rotten timber
- ii) Apply E.W.S. to the newly exposed timber and leave for 30 minutes to allow to penetrate.
- iii) Apply E.R.C. to both edges to act as an adhesive/filler.
- iv) After fitting remove any excess material and leave to cure before sanding



Optional Use
Mixer Nozzle

Epoxy Rapid Cure
400ml



Extrusion Tool
Installation

Health & Safety

Timbabuild E.R.C. base & activator components are classified as irritants and the activator is classified as corrosive. Ensure protective clothing is worn during use. If material comes into contact with the skin wash off with plenty of soap and water. If irritation persists or a rash appears seek medical advice.

For further information refer to the Material Safety Data Sheet.