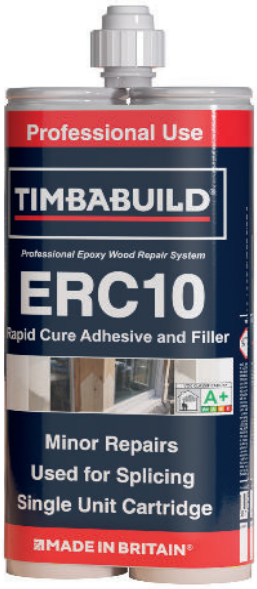
TIMBABUILD®

ERC10

Product Description

Timbabuild® ERC10 manufactured by Chemfix, is a two-part solvent-free 1:1 ratio mix, epoxy based wood filler. It is specially designed for small repairs to timber which are subject to stress and impact. It will also directly treat the timber to prevent any further occurences of decay. It is also used as a powerful adhesive. ERC10 displays high strength and impact resistance, and is cured and ready to paint within a 1 hour period (at 20-35°C) for same day repairs.
ERC10 is supplied in a specially designed side-by-side cartridge that fits into a custom made extrusion tool, accurately dispensing the material. Once cured, ERC10 can be machined, drilled and accepts nails, screws etc. ERC10 is coatable with most decorative wood finishes.
This product has a minimum 24 month shelf life.



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Key Features

- Solvent Free - suitable for indoors and outdoors.
- Rapid Curing - For same day repairs.
- Cartridge System Ensures Accurate Mixing.
- High Strength & Durability.
- Fast and Simple to Use, Easy to Clean and Store.
- Used with the EWS primer system.
- Cured and ready for painting within four hours (at 20-35°C).
- Suitable for Splicing Repairs and as an adhesive. (Lamination)
- Used by Sash WIndow Specialists for "same-day" repairs.
- Epoxy formulation does not shrink and gives an excellent bond.

Available Sizes

400ml 1:1 Nylon Cartridge
+ Specialist Extrusion Tool
Packed 10 x 400ml per carton outer

Conforms to
ISO 9001 & 14001

1 Hour Cure

Low Viscosity

Typical Hardening Time*

BASE MATERIAL TEMPERATURE (°C)	35	20	15	5
TYPICAL GEL TIME (mins)	4	5.5	7	15
TYPICAL CURE TIME (mins)	30	35	55	70

*This is the typical gel time for 100g of mixed product & cure time for a 90ml mass. Cure time also based on 100g of product, to reach 50 on shore D hardness.

Typical Performance Data

ERC10	Drillable	Sandable	Outdoors	Indoors	Weathered	Knotted	Stainable	Mix Ratio	Solids Content	Volume	Primer System	Application Temp.
	●	●	●	●	●	●	●	1:1	100%	400cm³	EWS	10 - 35°C

Wood may absorb a stain differently to the filler. We would always advise use of a test panel when working with stains and varnishes.

Typical Physical Property

EHB4 Professional			STORAGE / SHELF LIFE	IMPORTANT
APPEARANCE - CREAM MIXED DENSITY g/cm³ - 1.45 Available for download at www.timbabuild.co.uk			This product should be stored between +5°C & +35°C and away from direct sunlight. The Shelf life of the product is 24 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.

Chemfix Products Ltd • Mill Street East • Dewsbury • West Yorkshire • WF12 9BQ • UK
Tel : 01924 453886 • Fax : 01924 431658 • Web : www.chemfix.co.uk

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Preparation & Mixing

Prior to application, all surfaces should be clean and sound. See preparation information on Timbabuild® EWS. data sheet prior to application of Timbabuild Wood Repair Systems.

1) Mount the cartridge into the extrusion tool THE PRODUCT LABEL MUST BE FACE UP IN THE EXTRUSION TOOL. Squeeze out the required volume of material onto a suitable mixing board. On the first extrusion EXTRUDE FIRST 10ml OF MATERIAL TO WASTE.

2) Mix with a spatula of knife until a smooth, even coloured, streak-free mix is obtained.

3) Ensure that the filler is scraped clear of the board and spatula at least once during mixing. This ensures that both base and activator are thoroughly mixed together and no unmixed material will be used.

Splicing Method

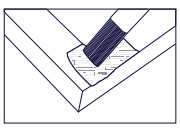
In circumstances where the damage or rot infestation is too extensive, traditional splicing methods may be used. Timbabuild ERC10 will improve the performance by sealing the joint and increase the bond strength.

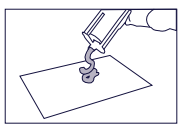
i) Remove the existing setion of rotten timber

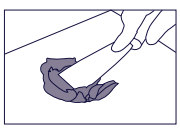
ii) Apply EWS to the newly exposed timber and leave for 30 minutes to allow to penetrate.

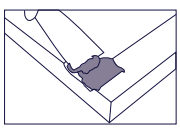
iii) Apply ERC10 to both edges to act as an adhesive/filler.

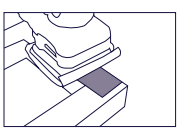
Iv) After fitting remove any excess material and leave to cure before sanding



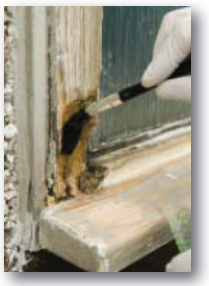








EWS Primer System



Epoxy Wood Stabiliser
Packed 6 x 300ml per carton outer.

EWS primer system is a specially designed two-part low viscosity, solvent free, resin solution which is designed to strengthen weakened wood fibres by penetrating deep into the wood. The product is used as a primer in conjunction with the Timbabuild Wood Repair systems.
Once the damaged, decayed and discoloured wood has been removed by use of a suitable cutter tool such as a router or chisel, then the area to be treated is lightly sanded to ensure excellent adhesion. The moisture content of the wood should be no greater than 18% (check using a standard moisture meter) and damp wood should be allowed to dry naturally, or by way of a hot air gun.
The two components are mixed manually into a separate container, and thoroughly agitated for one minute. The 2:1 mixing ratio should be strictly observed. EWS should be applied directly onto bare wood in the repair area using a standard brush and then left to cure for 20 minutes, prior to carrying out the repair. The repair can then be applied when the EWS is still wet but before it is cured (usually after around 4 hours) Please refer directly to the Timbabuild® EWS data sheet for more details.

400ml Extrusion Tool

Health & Safety

Timbabuild® ERC10 Base & activator components are classified as irritant 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.

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