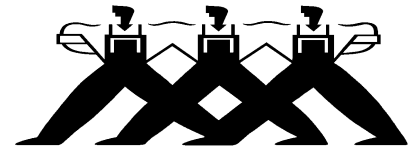


THIXOTROPIC EPOXY RESIN

An Ultra Low Disturbance
Building Solution



Property Repair Systems
01626 331351

DESCRIPTION

THIXOTROPIC EPOXY RESIN is a two part, non-slump gel adhesive, designed to bond materials together or to inject into cracks, fissures and holes. THIXOTROPIC EPOXY RESIN can be injected from a standard 400cc cartridge or applied directly from the mixing pot in a film as thin as 0.2mm. THIXOTROPIC EPOXY RESIN does not contain solvent or water, so can be applied to difficult substrates.

Features

- Adhesion greater than the cohesive strength of timber
- Solvent and water free
- Non shrink
- Working pot life: 5 – 10 minutes at 15 – 20 C.
- Set time: 1 - 2 hours initial at 15 – 20 degrees C, 5 - 7 days full cure.

TYPICAL USES

For bonding timber, stone and metal and for injecting into cracks and holes in timber and masonry. For bonding dowels into timber and masonry.

For laminating timbers and repairing Glulam beams.

PREPARATION & METHOD

Cut out all rotted, loose or flaking material and vacuum to remove dust. Abrade or grind as necessary to provide clean, stable surfaces free of all contaminants.

Mix the two components thoroughly with a stiff, square edged pallet knife until the two colours blend into an even colour.

Approximate spreading 'open' time is 5 - 10 minutes at 15 - 20 degrees centigrade, initial set in 1 - 2 hours. Initial cure minimum 12 hours, full cure 5 -7 days.

Either apply the adhesive to both surfaces to be bonded, or dispense into a cartridge kit for injection.

Ensure that the temperature is above 5 degrees Centigrade, or pre-warm the materials, otherwise curing may be delayed or prevented.

TECHNICAL DATA

Active Substance

Bisphenol A/F epoxy & Aliphatic Amines

Other Components

Glycidyl ether and inert fillers

Mix ratio

Base:Activator = 2:1

Bond Strength/Tensile Shear Adhesion -
6 N/mm²

Compressive Strength - 30 N/mm²

Tensile Strength - 16 N/mm²

Flexural Strength - 20 N/mm²

Flexural Modulus - 503 N/mm²

Static Modulus of Elasticity

Et 656 KN/mm²

Young's Modulus >656,000 N/mm²

Aggressivity to other materials

No known aggressivity

Classification

Irritant and corrosive

Packaging

Optional 400cc cartridge, skeleton guns

Colour

Blue/Cream – Mixed = Off White

Property Repair Systems - 01626 331351

Unit 3, Olympus Business Park, TQ12 2SN

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