

HITCHINS

TECHNICAL DATASPEC

EPOFil 802

Epoxy Filler

December 2014

NO.1451 v5

Description

EPOFil 802 is a two component epoxy paste which is solventless and non-shrink. **EPOFil 802** is non-slump and can be applied up to 5mm on a vertical surface. **EPOFil 802** can easily be feathered out and or sanded. **EPOFil 802** bonds to concrete, timber, metals and stone. **EPOFil 802** also has available a cold cure hardener for use from 0°C-10°C

Recommended Uses

EPOFil 802 has good gap filling and adhesive properties which make it suitable for a wide range of uses;

- * Fill and flush plywood joints in Hitchins' Recessed joint system as part of Traffigard waterproofing membrane process.
- * Laminating and jointing of fibrous cement sheets.
- * General concrete repair and levelling.
- * Adhesive and bedding compound for exposed aggregate finishes.
- * Tile adhesive.
- * Forming coves at upstands.
- * Providing falls on sill rebates.
- * Smoothing and patching concrete, timber or metal surfaces prior to painting.
- * Can be trowelled for a smooth finish.

Properties/Features

EPOFil 802 :

- Excellent gap filling
- Non-slump
- Cold cure hardener available 0°C – 10°C

Technical Data

Mixed

Classification	Two component epoxy		
Application Method	Trowel, Broad Knife	Mix Ratio	1 : 1 by volume
Coverage rate	1 litre per 8m chase (2mm x 60mm)	Colour	Grey
Dry Time (18°C @ 65%rH)	Cure 1-1.5 hours (Standard Hardener)	Specific Gravity	1.5kg/litre
Packaging	2, 4 & 8 litre batches	Recoat Time	8 hours @ 18°C
Shelf Life	1 year in original unopened containers	Solids Content	100%
V.O.C.	0 grams/litre		
Application Temp Range	10°C-35°C for Standard Hardeners, 0°C-10°C for Cold Cure Hardener		
Clean Up	Hands & equipment washed in soap and water before curing		
Cured Properties	Compressive Strength	33 MPa 2 days, 50 MPa 7 days	
	Compressive Modules	3 GPa	
	Tensile Strength	19 MPa	
	Thermal Expansion	5 x 10 ⁻⁵ mm/mm/°C	

Surface Preparation

- Thoroughly clean the concrete surfaces of all extraneous matter, especially oil and grease.
- Nibs, laitance should be removed from concrete surfaces mechanically hacking or grinding.
- Chases saw cut and chiseled out to provide clean chase.
- Holes for grouting in steel drilled out to the required depth .
- Surfaces must be free of dust and dry.

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EPOFii 802 <i>Two Component Epoxy Compound</i>	
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Surface Preparation continued	<ul style="list-style-type: none"> • EPOFii 802 is self-sealing (no need for sealer) by applying direct to the concrete surface. • Metal if not galvanized, stainless steel or aluminium should be pre-primed with Hitchins' Speedspray 10 or Jotamastic.
Packaging	2 litre pack (1 litre hardener & 1 litre resin). 4 litre pack (2 litres hardener & 2 litres resin). Other sizes (Smaller and larger) are available on pre-ordering.
Mixing	<ul style="list-style-type: none"> • Mixing Proportions – 1:1 by volume. Mix the two parts thoroughly by machine, spatula, or by hand until a uniform grey colour is obtained. • Do not add any other substance to EPOFii 802 including water as this may interfere with the final set and hardness. • Pot life of mixed EPOFii 802 (depending on temperature) is ½ hour at 25°C to 2½ hours at 10 °C. Mix only what you can apply in that timeframe. • In cold weather placing the containers in hot water helps to soften the resin and hardener. When mixed pot life is considerably shorter. • If hand mixing wear thin rubber gloves dampened for non-stick to glove.
Application	<ul style="list-style-type: none"> • To a prepared clean surface EPOFii 802 should be worked well into surface to be filled or flushed out. • Initial thin smear (film) of EPOFii 802 is recommended to ensure the surface is properly "wet" with epoxy to obtain maximum "key". • After applying the initial layer, more EPOFii 802 can be applied to completely fill the hole, chase, crack or surface undulation. • Application by broad knife, flushing blade or trowel. Screeding bar can be used to improve falls or when slightly overfilling, tools kept moist for smooth finish. • Coves produced by placing EPOFii 802 in up-stand junction and shaping with stainless steel coving tools or plastic bottle. • Once cured EPOFii 802 can be machine or hand sanded to produce a smooth surface. • Apply with notched trowel to bond two sheets of fibre cement or embed coloured exposed aggregate finish.
Precaution	<ul style="list-style-type: none"> * Recommend the use of barrier cream and wear thin rubber gloves to minimize skin contact. * Avoid eye contact. If eye contact occurs, thoroughly flush under running water for 15 minutes and seek medical advice if irritation persists. * Acquire copy of safety data sheet on EPOFii 802.
Clean Up	<ul style="list-style-type: none"> • Equipment regularly cleaned with solvent before EPOFii 802 sets. • Hands cleaned with hand cleaner and washed in soapy water. • Protect hands with barrier cream
Health and Safety	Refer to the Safety Data Sheet N° 1451 for more information for Part A and Part B.
Compliance	Do not apply or install any Hitchins product or process to building structures that do not comply with the Building Code.
Warranty	EPOFii 802 as part of a process is covered under the Hitchins Product Performance Warranty Document for "that" products process, as per our Warranty Schedule.
Marketing	<ul style="list-style-type: none"> • EPOFii 802 manufactured under license for Hitchins New Zealand Ltd. • EPOFii 802 marketed under Hitchins New Zealand Limited trade name throughout New Zealand and Pacific Islands. • EPOFii 802 product available from Hitchins offices and warehouse