

FLEXCO CLEAR EPOXY VARNISH 2:1

Description	<p>FLEXCO CLEAR EPOXY VARNISH 2:1 is a 100% epoxy, 2-component system formulated for the protection of concrete floors, etc. It is surface tolerant and self priming. A major advantage is that it gives a very high build appearance saving numerous extra coats if only using polyurethane.</p> <p>Suitable for low odour application in food grade areas. A resilient surface ensures easy cleaning with no fungal attack.</p>												
Use On	<ul style="list-style-type: none">• Contemporary concrete clear flooring.• Commercial showroom and warehouse sealing of floors.• Easily cleaned office or production flooring.• Wooden bench-tops, coffee tables, etc.												
Appearance	<p>Gloss clear. Not recommended for exterior use unless some surface chalking over time is acceptable. Chalking will not affect the physical or chemical resistance.</p>												
Chemical Resistance	<p>Good splash resistance to most acids, alkalis and solvents, but may discolour. Excellent to mineral and vegetable oils and foodstuffs. Good to wines and beverages.</p>												
Mixing Ratio	<table><thead><tr><th>Resin</th><th></th><th>Hardener</th><th></th></tr></thead><tbody><tr><td>100</td><td>to</td><td>50</td><td>by volume = 2 parts resin to 1 part hardener by volume.</td></tr></tbody></table> <p>Correct ratio must be used. Varying will decrease cured properties</p>	Resin		Hardener		100	to	50	by volume = 2 parts resin to 1 part hardener by volume.				
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Pot Life	<p>100 gm mass at 18°C 15 - 20 minutes. A polymerising visible end of pot life is preceded by the mix thickening to an unusable gel. This is a normal occurrence for 2-component systems.</p> <p>Use small amounts (1 - 2 litres) regularly as a large mass, left to stand, will prematurely gel.</p>												
Cure	<p>When mixed and applied correctly, FLEXCO CLEAR EPOXY VARNISH 2:1 will cure overnight at ambient temperatures. Light traffic may use the area next morning. Ensure the temperature is above ten degrees Celsius (10°C) so that cure may proceed. Use forced hot air heating if necessary.</p> <table><tbody><tr><td>@ 20°C.</td><td>recoat</td><td>:</td><td>ten-twelve hours. (overnight)</td></tr><tr><td></td><td>reinstatement</td><td>:</td><td>twenty four hours.</td></tr><tr><td></td><td>fully cured</td><td>:</td><td>3 - 4 days.</td></tr></tbody></table>	@ 20°C.	recoat	:	ten-twelve hours. (overnight)		reinstatement	:	twenty four hours.		fully cured	:	3 - 4 days.
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Primer	<p>Self priming on clean, sound floors. Surface tolerant. FLEXCO CLEAR EPOXY VARNISH 2:1 will coat most substrates: concrete, wood, previously painted surfaces, and old linoleum as long as it is clean and sound.</p>												
Coverage	<p>8 - 10 sq.m /litre. First coat onto concrete will have higher litre rate because of absorption.</p>												
Preparation	<p>It is essential that the substrate is sound and clean. The adhesive performance of the epoxy will be affected on a poorly prepared surface. Vacuum or sweep the substrate to remove all laitance or loose material. Degrease if necessary with a detergent. Rinse thoroughly. Allow to dry.</p>												

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FLEXCO (N.Z.) LTD
SOLVING TOMORROWS BUILDING PROBLEMS - TODAY

FLEXCO CLEAR EPOXY VARNISH 2:1

New Concrete Floors	The concrete should be allowed to cure for 28 days. Curing compounds and sealers must be removed from the surface. Etch the surface with dilute hydrochloric acid. Repair damage and fill joints with Epoxy Patch.
Previously Painted Concrete Floors	Sand off unsound paint. If the floor is damaged, repair with Epoxy Patch. Degrease if necessary with a detergent. Rinse thoroughly. Allow to dry.
Timber & MDF Floors	Must be firmly nailed / screwed to prevent movement. Thoroughly sand back with 40-60 grit sandpaper. Fill joints with timber coloured putty and resand when dry.
Tiles	Ensure all grouting is sound. Reinstate if appropriate. Rinse and / or vacuum. Ceramic glazes on kiln fired tiles must be sweep blasted.
Steel	Degrease. Rinse off. Abrasive blast clean with clean silica sand to AS1627.4 to remove all mill scale and rust. If blast cleaning is not practical, use mechanical cleaning, e.g. disc grinding, scabbling, needle gunning or wire brushing.
Application	<p>Stir the resin and hardener parts thoroughly before combining. Add the two components at the correct ratio into a clean dry container. Power stir thoroughly until completely combined.</p> <p>Mix small amounts more frequently, rather than the entire pack, to avoid premature gelling.</p> <p>Floor Application</p> <p>Cut in along walls, etc., with small paint brush – eg a 50-60mm flat pigs bristle disposable.</p> <p>Use an 8mm “Dacron” paint roller to apply. Work paint in well. First coat doesn’t have to be thick coat. Work quickly as paint will gel after 15-25 minutes. Pour thin line of paint one metre out from back wall and roll out, working backwards. Recommended two person job with one person cutting in.</p>
General	<p>In hot and dry conditions use smaller mixes more often. Do not add a new mixture into one that is gelling as they will both polymerise.</p> <p>FLEXCO CLEAR EPOXY VARNISH 2:1 is a technical product, generally for trade purposes. Care must be exercised in its use.</p> <p>DO NOT apply in extreme cold and damp conditions; temperature below 8°C, and relative humidity of +85%.</p>
Clean Up	Use Epoxy Solvent, available from a marine or hardware shop, for cleanup of uncured FLEXCO CLEAR EPOXY VARNISH 2:1 off brushes and rollers. Use disposable containers and spatula.
Storage	Do not store near boilers or other sources of heat. Do not store in direct sunlight.
Packaging	1.0lt resin + 0.5lt hardener = 1.50 litre pack 4.0lt resin + 2.0lt hardener = 6.00 litre pack 10.0lt resin + 5.0lt hardener = 15.00 litre pack
Health and Safety	<p>Do not store near boilers or other sources of heat.</p> <p>Do not store in direct sunlight.</p> <p>Epoxy resins and amine resin hardener constitute the reactive components of this system.</p> <p>Use disposable plastic gloves to avoid skin contamination.</p> <p>If resin comes into contact with skin, wash uncured resin off with soap and water.</p> <p>Epoxy cleaning solvent should never be used to wash hands.</p> <p>Wear safety glasses to avoid eye contamination.</p> <p>Can cause topical dermatitis if in prolonged contact with skin.</p>

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