

PnF Epoxy Paint for Swimming Pools

Two Pack Epoxy Pool Coating



Technical Data Sheet Number 1005

PRODUCT DESCRIPTION	<p>PnF Epoxy Paint is a two-pack pigmented, solvent free 100% solids epoxy with excellent surface hardness and adhesion. It exhibits high water resistance, chemical and oil resistance. It has been optimised for vertical application for use as a topcoat for swimming pools.</p>				
USES & BENEFITS	Concrete and fibreglass swimming pools				
	<p><u>Benefits</u></p> <ol style="list-style-type: none"> 1. Exceptionally hard wearing 2. Slightly textured finish 	<p><u>Limitations</u></p> <ol style="list-style-type: none"> 1. Amine bloom may occur if humidity is above 80%. 2. Minimum surface temperature should be at least 3°C above dew point. 3. This product will chalk when continuously exposed to sunlight. 4. Curing is slower in cold weather. 			
PHYSICAL PROPERTIES	Vehicle Type	Epoxy			
	Hardener	Amine			
	Mixing Ratio	4:1(Part A : Part B) by Weight			
	Pot Life	Approx. 1 hour @25°C. Must be stirred thoroughly			
	Finish	Gloss, slightly textured			
	Theoretical Coverage	4-6m ² per litre @160-250µmDFT (160-250µmWFT)			
	Volume Solids	100%			
	Recommended DFT	160-250µm/coat. Dependent on application			
	Usual No. of Coats	2-3 (dependent on substrate)			
	Primer Required	PnF Primer on concrete. Not normally needed on abraded fibreglass but ask before proceeding.			
	Colour	Standard Range of Colours			
	Pigmentation	Titanium dioxide and other pigments			
	Product Weight	1.60 – 1.69 Kg/Litre depending on pigmentation			
ENGINEERING DATA	Abrasion Resistance	Very good			
	Chemical Resistance	Excellent			
	Dry Heat Resistance	Up to 120°C			
	Solvent Resistance	Excellent for many solvents			
	Durability	Excellent, but will chalk under UV exposure without damage to the integrity of the coating			
CURING DATA	Substrate Temp.(°C)	Touch Dry	Light foot traffic	Full Cure	Recoat Time min
	Standard Hardener 25 °C	6 Hrs	24 Hrs	6 Days	16 Hrs
	Note	Maximum recoat varies with the environmental conditions and the topcoat used			

Mixing	Power stir Pack A, then blend with Pack B to correct ratio. Power stir thoroughly for one to two minutes prior to use. Only mix required amount and use within the stated pot life.
Application	10-25mm Nap Roller. (The rougher the surface, the longer the nap)
Thinning	If required, use Methylated Spirits or V122 Epoxy Thinners.
Cleaning	Use V105 or V114 Thinners for clean-up.
Concrete and Fibreglass	<p>New concrete should be allowed to cure for 28 days prior to coating. Surface must be sound, dry, free from all loose material, laitance, old coatings, dust and surface contaminants (e.g. oil, grease, chemicals, release/curing agents etc.). Smooth or contaminated surfaces must be mechanically treated by abrasive blasting or grinding to achieve a clean anchor pattern for best adhesion. Oily surfaces must be detergent cleaned, and water blasted. In some instances, acid etch, and water blasting may be adequate to form a 'key' for sufficient adhesion.</p> <p>We would recommend the concrete be primed with PnF Primer prior to the application of the PnF Epoxy Paint dependent on condition. Please note that moisture content in the concrete must be no greater than 4% prior to application of the PnF Epoxy Paint. Ensure no hydrostatic pressure present.</p> <p>Fibreglass: Surface must be sound, dry, free from all loose material, osmosis, old coatings, dust and surface contaminants (e.g. oil, grease, chemicals, algae etc.). Worn areas repaired.</p> <p>All surfaces: generally primed with PnF Primer first.</p>
Previously coated surfaces	If the previous coating is in good condition, prepare by sanding with #100 grit sandpaper. All surfaces should be free from oil, grease, loose paint and other contaminants.
General	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with use Methylated Spirits or V122 Epoxy Thinners. Once units of paint have been mixed, they should not be resealed, and it is advised that after prolonged stoppages work recommences with freshly mixed units.
Clean Up	Clean all equipment after use with use V105 or V114 Thinners for clean-up. It is good work practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time (including delays).
Packing	Available in 5 Kg kits. For other sizes, contact Hitchins Technologies.
Storage	12 months if stored in sealed containers away from heat and moisture above 10°C. Subject to re-inspection thereafter.
<p>All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for PnF Epoxy Paint. Users should familiarise themselves with all the safety aspects of the product prior to use.</p> <p>Please ensure the current Technical Data Sheet and relevant Application Notes is consulted prior to specification or application. If the surface intended to be painted differs from the specification, please consult the Hitchins Technologies on 0415171315</p>	

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation. Note: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on onsite conditions, such as volume of material mixed, ambient and substrate temperatures, weather and ventilation.

DISCLAIMER Since the use and application of this product is beyond our control, we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty. For additional information, phone our Customer Service Centre on 0415171315, or e-mail; info@poolpaint.com.au Visit our website for more products www.poolpaint.com.au

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