

PnF Epoxy Primer - Sealer

Two Pack Water Based Epoxy for Swimming Pools

Technical Data Sheet Number 1005



PRODUCT DESCRIPTION	<p>PnF Epoxy Primer Sealer is a two-pack water borne epoxy coating with excellent film properties and surface hardness. It is a self-priming and environmentally friendly coating system which is ideal as a swimming pool primer, due to its excellent adhesion and chemical resistance. It can be tinted to an unlimited colour range.</p>				
USES & BENEFITS	<ul style="list-style-type: none"> Concrete (absorbent surfaces) and fibreglass surfaced, swimming pools 				
	<p><u>Benefits</u></p> <ol style="list-style-type: none"> Can be easily brushed or rolled. Excellent surface hardness and water resistance May be applied down to 8°C. 	<p><u>Limitations and Notes</u></p> <ol style="list-style-type: none"> Amine bloom may occur if humidity is above 80%. Use ventilation to lower humidity if above 80% or likely to be above 80% over curing period. Minimum surface temperature should be at least 3°C above dew point. Chalking will occur during full sunlight exposure without loss of film integrity. Can be over coated with PnF Epoxy or PnF topcoats for UV resistance 			
PHYSICAL PROPERTIES	Vehicle Type	Epoxy			
	Hardener	Polyamide			
	Pigmentation	Titanium dioxide or other			
	Mixing Ratio	1:1:0.5 (Pack A : Pack B: Water) by Volume			
	Pot Life	1 hour@ 25°C			
	Finish	Semigloss			
	Theoretical Coverage	6 - 10m ² /litre @ 40 to 60µm DFT (100 - 170 µm WFT)			
	Volume Solids	37% by Volume			
	Recommended DFT	Typically 40 - 60µm DFT per coat dependant on application			
	Usual No. of Coats	1 – 3 coats (more absorbent – more coats)			
	Primer Required	Not normally on concrete (cement based) and fibreglass. Contact Hitchins Technologies for use on other substrates			
	Colour	Light Grey AS 2700 N35 or other colour on request			
	Product Weight	Approx. 1.12Kg/Litre dependant on colour			
VOC Content	26 grams/Litre				
ENGINEERING DATA	Abrasion Resistance	Very good.			
	Bacterial Resistance	Very Good			
	Chemical Resistance	Alkali – Excellent. Acid – Fair to very good. Contact Hitchins Technologies for specific requirements			
	Salt Spray Resistance	Very Good			
	Durability	Excellent for indoor application, topcoat needed for exterior			
	Dry Heat Resistance	120 °C			
	Solvent Resistance	Excellent			
CURING DATA	Substrate Temp.(°C)	Touch Dry	Light traffic	Full Cure	Recoat Min
	10°C	6 - 8 Hrs	48 Hrs	7 Days	7 hrs
	25 °C	3 – 5 Hrs	24 Hrs	7 Days	4 hrs
	Note	Abrade if recoating after 7 days			

APPLICATION DATA	Mixing	Power stir Pack A then blend Pack A with Pack B and power stir thoroughly for 2 minutes before thinning. Thin 1st coat up to 40% with clean water. The first coat can normally be walked on after 3 - 5 hours and the second coat applied. A third coat if required can then be applied next morning. The floor would then be ready to take light to medium traffic the following morning.
	Application	Airless spray (rec tip range = 15 – 19Thou), roller or brush.
	Thinning	Water. N.B. Always stir Part A & B together well, before adding water.
	Cleaning	Use water, mild detergent, or methylated spirits.
SURFACE PREPARATION	General	All surfaces to be structurally sound and free of contamination, particularly salt deposits. Loose or flaking paint must be removed by abrasive blast cleaning, power tool cleaning or sanding. Oil, grease, dirt, etc must be removed with detergent and water blasting in accordance with AS 1627.1. Algae must be killed.
	Concrete	Allow new concrete surfaces to cure for a minimum of 28 days before painting. Surface to be painted should be free from oil, grease etc in accordance with SSPS – SP1. To get uniform surface profile, use shot blasting, diamond grinding or acid etch. (Note: Acid etching is not recommended if excessive form oil is present in the concrete).
	Existing painted surfaces	All surfaces should be free from oil, grease and other contaminates, and loose and unsound paint. The existing coating must be thoroughly abraded and adhesion of PnF Primer to the existing coating checked prior to commencing the project.
WORK STOPPAGES	General	Do not allow material to remain in hoses, gun or spray equipment. 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. Use water, mild detergent, or methylated spirits. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time (including delays).
PACKING & STORAGE	Packing	Available in 4L or 20L Packs. For availability of other sizes, contact Hitchins Technologies
	Storage	12 months if stored in sealed containers away from heat and moisture. Subject to re-inspection thereafter.
HEALTH & SAFETY	All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for PnF Primer. Users should familiarise themselves with all the safety aspects of the product. 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 0415171315	

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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