

PRODUCT DATA SHEET

FLOOR-PRO 116 SF EPOXY PRIMER

Description	FLOOR-PRO 116 SF EPOXY PRIMER is a two-component, low viscosity, solvent-free prefilled epoxy primer with excellent substrate wetting and penetration.		
Features	- Solvent-free - Low viscosity for penetration - Excellent wetting of substrate - Excellent adhesion for overlayment		
Application Areas	- Ideal to be used on prepared concrete to seal the porosity and provide penetration to enhance adhesion for subsequent coating		
Physical Properties	Chemical Composition	Two-component, solvent-free cycloaliphatic amine epoxy primer	
	Colour	Clear	
	Density, mixed	1.32 ± 0.03 g/cm ³	
	Viscosity, mixed	Approx. 700 - 1000 mPas	
	Solid Content, mixed	100%	
APPLICATION DATA			
Performance Data	Adhesive strength	> 1.5 N/mm ² (Concrete failure)(ASTM D7234)	
	Shore D Hardness	> 78 (ASTM D2240)	
	Compressive strength	> 120 N/mm ² (ASTM D695)	
	Flexural strength	> 49 N/mm ² (ASTM D790)	
	* Conditions such as installation process, inappropriate maintenance, short and long-term wear and use as well as surface contaminants (wet or dry) affects the slipperiness of flooring materials. To meet slip resistance requirement for wet conditions and/or surface contaminants (wet or dry), appropriate textured or anti-slip floor systems are recommended. Please contact Nippon Paint for further details and specifications. **The final floor finish shall follow the profile of the concrete, therefore appropriate levelling compound is recommended to treat the undulating surface		
Application Guide	Mixing Ratio (by weight)	Part A	: Part B
		2.7	: 1
	Number of coats	1 – 2 coats dependent on concrete porosity	
	Recommended Thickness	100 - 350 µm DFT per coat	
	Theoretical Coverage	0.20 – 0.50 Kg/m ² /coat	
	Pot Life (Working time)	25 mins @ 28°C	
	Recoating time	Min 8 hrs @ 28°C	

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	Substrate Temperature $\geq 3^{\circ}\text{C}$ relative to dew point Recommended application Minimum 15°C temperature range Maximum 35°C Relative Humidity $< 85\%$		
Substrate Requirements	- Concrete or screed substrate compressive strength should be of minimum 25 N/mm^2 and adhesive pull off strength of 1.5 N/mm^2. - The moisture content of concrete shall be $< 4\%$ by Tramex machine. It shall be free from rising damp and must be waterproofed against negative ground water pressure.		
Surface Preparation	The concrete surface should free from concrete laitance, cement powder, dust, oil or grease and other contaminants. Make sure that concrete has no convex-concave state, cracking and has reached required hardness and stability. New concrete surfaces must be left at least 4 weeks to dry before painting. Suitable PH value of substrate surface is 7 ~ 9. After surface treatment, V-cut and polish on the cut for the substrate surface at its defects (gap, grooves, cracks, etc.) as well as the edges of the contact between floor the wall, then fill it up with epoxy putty.		
Application Methods	Applying FLOOR-PRO 116 SF EPOXY PRIMER - Mix Part A (Base) thoroughly for 1-2 minutes using a mechanical stirrer until homogeneous. - Add all the Part B (Hardener) into Part A (Base) and mix thoroughly for 2-3 minutes using a mechanical stirrer until homogeneous. Use a 300 – 500 rpm slow-speed drill, with a spiral mixing blade or Jiffy mixer. Move the mixing blade in circles around the inside edge of the pail from bottom to top. Transfer the mixed material to a clean container and mix for another minute. Avoid inclusion of air during the mixing process. - Mixture is poured onto the surface in portions, may be applied by brush, roller or spray. Spread with a squeegee and back roll with a roller. On porous and heavily absorbent concretes a second application is advisable Overcoating of FLOOR-PRO 116 SF EPOXY PRIMER - Subsequent finishing or overlayment should be applied once the primer becomes tack-free but before the primer completely hardens which is within 24 hours. - Exposure of the paint film to water, chemical and abrasion should be avoided as far as possible before full cure of the coating.		
Recommended Painting System	The following Topcoat is recommended for NIPPON FLOOR-PRO 116 SF EPOXY PRIMER: NIPPON FLOOR-PRO 307 SF EPOXY FINISH For the choice of coating system for different application, refer to the product brochure or contact Nippon Paint for professional recommendation.		
Packing	Components TOTAL 20KG	PART A (BASE) 14.6	PART B (HARDENER) 5.4

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Storage and Shelf Life	The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care. It is recommended to turn upside down at least once per month for continuous storage of PART A to avoid settlement. <table><tr><td>Components</td><td>PART A (BASE)</td><td>PART B (HARDENER)</td></tr><tr><td>Months</td><td>12</td><td>12</td></tr></table>	Components	PART A (BASE)	PART B (HARDENER)	Months	12	12
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Months	12	12					
Safety Precaution	- This product is intended for use by professional applicators. Refer to the safety information display on the container and in the safety data sheet (SDS) before using the product. - Use this product in well-ventilated area, avoid skin contact, spillage on the skin should immediately be removed with suitable cleanser, soap and water. - Eye should be well flushed with water and seek for medical attention immediately upon contact with this product. - During the application, naked flame, welding operation and smoking is not allowed. Adequate ventilation should be provided. - If you have any doubt regarding the suitability of use, refer to Nippon Paint for further advice.						
Disclaimer	The information in this data sheet is given to the best of Nippon Paint's knowledge and practical experience. Users may consult with Nippon Paint on the general suitability of the product for their needs and specific application practices though it remains each user's responsibility to determine the suitability of the product for the user's particular use. The condition of the substrate and application are not within Nippon Paint's control. Therefore, no implied conditions, warranties or other terms will apply to the Product. Nippon Paint does not and cannot warrant the results which the user may obtain by using the product. In no event will Nippon Paint be liable to the user for any kind of loss (whether direct or indirect) even if Nippon Paint was previously advised of it. In line with Nippon Paint's policy for continuous development, Nippon Paint reserves the right to modify the product and the information in this data sheet without prior notice. It is the user's responsibility to check with Nippon Paint for the latest version of this data sheet. This data sheet has been translated into various languages. In the event of any inconsistency, the English version shall prevail.						

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