

HI-PON 20-04 STE 80

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION	Hi-Pon 20-04 STE 80 is a two-pack, surface-tolerant, high solids epoxy mastic coating that can be applied in low film thickness. It is an anti- corrosive primer and / or intermediate coating for corrosion protection of steel and other substrates in atmospheric exposure.				
INTENDED USE	Universal anti-corrosive for all areas in C5I / C5M environment. It is also be over-coated with various kinds of finishing coats.				
GENERAL PROPERTIES	Colour Gloss Level Volume Solids, % Specific Gravity Flash point VOC Typical Thickness	: Grey & White : Low Sheen : 80 ± 2 % : 1.48 - 1.58 kg/l (Mixed) : Base: 23°C Hardener: 93°C Mix: 23°C : 213 g/L (mix, by calculation) : 70 - 200ųm dry film : 90 - 255ųm wet film			
SURFACE PREPARATION	All surfaces should be clean and free from contamination. The surface should be assessed and treated in accordance with ISO 8504. Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning. <u>Bare steel</u> Bare steel should be prepared with abrasive blast cleaning to Sa $2\frac{1}{2}$ (ISO 8501-1:2007), to achieve surface profile 50 – 85 µm.				
	<u>Other Surfaces</u> The coating may be used on other substrates. Please contact your local Nippon Paint office for more information.				
CONDITION DURING APPLICATION	Avoid paint application when the temperature is below 10°C or relative humidity exceeds 85%. The Steel surface temperature must be minimum 3°C above dew point of the surrounding air.				
APPLICATION GUIDE	Mixing Ratio	: Base: hardener = 6:1 (by volume) Base and hardener should be mixed thoroughly before use.			
	Induction time	: 15mins			
	Pot Life	: 25°C			
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		2 Hrs			
	Theoretical Coverage	:11.4 m²/litre at 70 μm DFT :4.0 m²/litre at 200 μm DFT			
	Thinner	: Hi-Pon Epoxy Thinner			
APPLICATION METHOD		r stripe coating and very sma must be taken to achieve			
APPLICATION DETAILS	Airless Spray	: Tip Size Pressure at nozzle	: 0.015" – 0.023" zzle : 150 - 170 kg/cm²		
	Typical Thickness	: 70 - 200ųm dry film : 90 - 255ųm wet film			
	Drying Time	: Substrate Temperature Surface Dry Through Dry Cured Dry to recoat (min) Dry to recoat (max) Dry to recoat (max) by s	: 3hrs : 7hrs : 7days : 7hrs : 7days	40°C 1.5hrs 3.5hrs 3days 3.5hrs 3days dd	
	time/times before recoating thickness, ventilation, hum handling and mechanical s a system sheet, where all p * Where an "extended"	en data must be considered as guidelines only. The actual es before recoating may be shorter or longer, depending o es, ventilation, humidity, underlying paint system, requirement for g and mechanical strength etc. A complete system can be describ n sheet, where all parameters and special conditions could be inc e an "extended" overcoating time is stated, consult Nippon ve Coatings for recommended surface preparation to achieve o t adhesion.			
RECOMMENDED PAINTING SYSTEM	The following Intermediate 80:	/Topcoat are recommended	l for Hi-Pon 2	20-04 STE	
	Intermediate Hi-Pon 20-04 STE 8 Hi-Pon 20-04 STE 7 Hi-Pon 20-04 STE 7 Hi-Pon 20-04 STE 7 Hi-Pon 30-01 Epoxy Hi-Pon 30-02 Epoxy	AL 80 GF 80 ΛΙΟ 80 ν Midcoat 70			



- Hi-Pon 30-03 Epoxy Midcoat 80
- Hi-Pon 30-04 Epoxy MIO 70

Topcoat

- Hi-Pon 40-02 Epoxy Topcoat
- Hi-Pon 40-04 Epoxy Topcoat
- Hi-Pon 50-01 Polyurethane Topcoat

For the choice of coating system for different application, refer to the product brochure or contact Nippon Paint for professional recommendation.

PACKAGING	Unit	Unit Base			Hardener		
		Vol	Container Size	Vol	Container Size		
	19.6L	16.8L	20L	2.8L	5L		
	4.9L	4.2L	5L	0.7L	1L		
STORAGE	Shelf life : Part A: 12 months (25°C) Part B: 12 months (25°C)						
	Subject to re-inspection thereafter. Higher temperature during storage may reduce the shelf life and may lead to gelling in the tin.						
	Store in tightly closed container in a dry, cool and well ventilated space away from sources of heat and ignition.						
SAFETY PRECAUTION	 This product is intended for use of 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 skin should immediately be removed with suitable cleanser, so water. 						
	 Eye should be well flush with water and seek for medical at immediately upon contact with this product. 						
	 During the application, naked flame, welding operation and smok allowed. Adequate ventilation should be provided. 						
	 If you have any doubt regarding the suitability of use, refer to Nippon Paint for further advice. 						
DISCLAIMER	knowledg Paint on	ge and pra the gene	ctical experience. ral suitability of th	Users ma ne produc	best of Nippon Paint's y consult with Nippon t for their needs and remains each user's		
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