

HI-PON 20-04 STE MIO 80

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION	Hi-Pon 20-04 STE MIO 80 is a two-pack, surface-tolerant, high solids epoxy mastic coating pigmented with micaceous iron oxide. It is an anti-corrosive primer and / or intermediate coating for corrosion protection of steel and other substrates in atmospheric environments.	
INTENDED USE	Universal corrosion protection for all areas in aggressive environments. It is designed for areas where optimum surface preparation is not possible. Suitable for use in refineries, power plants, bridges, tanks external and for structural steelwork in atmospheric environments.	
GENERAL PROPERTIES	Colour Gloss Level Volume Solid Specific Gravity Flash Point VOC Typical Thickness	: Grey : Semi-Gloss : 80 ± 2 % : 1.58 ± 0.05 kg/l (Mixed) : Base: 23 °C Hardener: 93 °C Mix: 23 °C : 178 g/L (EPA Method 24) : 70 – 200 µm dry film 88 – 250 µm wet film
SURFACE PREPARATION	All surfaces should be clean dry, 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>Abrasive Blast Cleaning</u> For optimum performance, abrasive blast clean to Sa 2½ (ISO 8501-1) or SSPC-SP10 with a surface profile of 50 – 75 microns (2 – 3 mils). It oxidation has occurred between the blasting and application of this product, the surface should be re-blasted to the specified visual standard. Surface defect revealed by the blast cleaning process should be ground, filled or treated in the appropriate manner. <u>Hand or Power Tool Cleaning</u>	
	Note, all scale must be adequately by chipping standard of Sa 2 (ISO 8 <u>Other Surfaces</u>	sed on other substrates. Please contact your local



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CONDITION DURING APPLICATION		when the temperature is be The temperature of steel su surrounding air.	
APPLICATION GUIDE	Mixing Ratio	: BASE : HARDEN 6 : 1	IER (by volume)
		Base and hardener thoroughly before use agitator	should be mixed with a mechanical
	Pot Life	: <u>25 °C</u> 2 hours	
	Theoretical Coverage	: 11.4 m²/litre at 70 μm DF 4.0 m²/litre at 200 μm DI	
	Thinner	: Hi-Pon Epoxy Thinner	
	Cleaner	: Hi-Pon Epoxy Thinner	
APPLICATION METHOD	• •	: Tip Size	Care must be taken to : 0.017" - 0.031"
		Pressure at nozzle	: 150 – 200 bar
	Drying Time	: Substrate Temperature Surface Dry Through Dry Cured Dry to Overcoat (min) Dry to Overcoat (max) Dry to Recoat (max)	25 °C40 °C4 hrs2 hrs10 hrs4 hrs7 days3 days10 hrs4 hrs7 days3 days7 days3 daysExtended
		xtended" overcoating time is as for recommended surface on.	
	time/times before recoat thickness, ventilation, h early handling and me	e considered as guidelines ating may be shorter or lon- numidity, underlying paint s chanical strength etc. A co sheet, where all parameters	ger, depending on film ystem, requirement for mplete system can be



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could be included.

Intermittent tem The temperature properties may by the total coar in the system has The following coar 80: Intermediate: Hi-Pon 30 Hi-Pon 30 Hi-Acryl 19 Hi-Acryl 19 Hi-Pon 50 Hi-Pon 50 For the choice coar	nt : 12	0°C 10°C 20°C		
The temperature properties may by the total coar in the system has RECOMMENDED COATING SYSTEM The following co 80: Intermediate: 0 Hi-Pon 30 Hi-Pon 30 	-		naximum	
80: Intermediate: Hi-Pon 30 Hi-Pon 30 Top Coat: Hi-Alkyd 1 Hi-Acryl 19 Hi-Pon 40 Hi-Pon 50 Hi-Pon 50 For the choice of	es listed suffer at ting syste	relate to retention o these temperature em. If used as part ar heat resistance.	of protective p es. Heat resis	stance is influence
 Hi-Pon 30 Hi-Pon 30 Top Coat: Hi-Alkyd 1 Hi-Acryl 19 Hi-Pon 40 Hi-Pon 50 Hi-Pon 50 For the choice of the second second	oating sys	stems are recomme	ended for Hi-F	Pon 20-04 STE N
 Hi-Alkyd 1 Hi-Acryl 19 Hi-Pon 40 Hi-Pon 50 Hi-Pon 50 Hi-Pon 50 For the choice comparison 		xy MIO 80 xy Midcoat 80		
	901 Acry)-04 Epox)-01 AS P)-03 Polyı	rd Top Coat lic Top Coat cy Top Coat Polyurethane Top C urethane Top Coat siloxane Top Coat	oat	
	-	system for differer		•
PACKAGING Unit	Base		<u>e Hardener</u>	
		Container Size	Volume	Container Siz
4.9 L 19.6 L	Volume 4.2 L			1 L

STORAGE

Base : 12 months (25 °C)

Hardener : 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. Frequent temperature cycles may also shorten the shelf life.



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Store in tightly closed container in a dry, cool and well-ventilated space, keep 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 on the skin should immediately be removed with suitable cleanser, soap and water.
	 Eye should be well flush 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

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