


**NIPPON
PAINT**

NIPPON EA9 FINISH HB

Technical Service Data Sheets

Product Description

NIPPON EA 9 FINISH HB is a two-pack amine-adduct cured epoxy specially developed to achieve long term corrosion protection for many type of surfaces i.e. aluminium, galvanising, steel and concrete. This feature combined with its wide range of resistance properties make **NIPPON EA 9 FINISH HB** a durable, high performance and economical coating for immersion as well as non immersion services.

Intended Use

NIPPON EA 9 FINISH HB system has been extensively used as a durable, high performance and economical coating for non immersion as well as immersion service. For immersion service, it has been extensively used for long term corrosion protection lining of storage tank for palm oil derrivaties, vegetable oil, portable water and etc.

General Properties

Colour	: Standard colours as per colour cards Special colours available upon request
Gloss Level	: Matt
Volume Solids, %	: 55 ± 2%.
Specific Gravity	: 1.25 - 1.38 kg/l (Mixed) depending on colours
Flash point	: Base: 21°C Hardener: 24°C Mix: 21°C
VOC	: 502 g/L (mix, by calculation)
Typical Thickness	: 80 - 150 µm dry film 150 - 275 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.

Damaged Area:

Damage area should be prepared with abrasive blast cleaning to Sa 2½ (ISO 8501-1:2007). When abrasive blasting is not possible, mechanical cleaning to St 3 (ISO 8501-1:2007) is acceptable. After the surface preparation, patch primer prior to the application of **NIPPON EA9 FINISH HB**.

NIPPON EA9 FINISH HB should always be applied over a recommended anti-corrosive coating scheme for metal surface. The primer surface should be dry and free from all contamination and **NIPPON EA9 FINISH HB** must be applied within the overcoating intervals specified (refer to application section for details).

Other Surfaces:

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 and relative humidity is over 85%. The temperature of steel surface must be a minimum 3°C above dew point of surrounding air.

Application Guide

Mixing Ratio	: Base : Hardener = 9:1 (by volume) Base and hardener should be mixed thoroughly before use.
Pot Life (25°C)	: 4-6 Hrs.
Theoretical Coverage	: 6.8 m ² / litre at 80µm DFT
Thinner	: Nippon Epoxy Thinner

Application Method

Brush and roll is suitable for stripe coating and very small areas. For best result, use airless spray. Care must be taken to achieve the specified dry film thickness.

Application Details

Airless Spray	: Tip Size	: 0.015" - 0.023"
	Pressure at nozzle	: 140 - 170 kg/cm ²
Typical Thickness	: 80 - 150 µm dry film 150 - 275 µm wet film	
Drying Time	: Substrate Temperature	: 25°C 40°C
	Surface Dry	: 1.5hrs 0.5hrs
	Through Dry	: 7hrs 3hrs
	Cured	: 7days 3days
	Dry to recoat (min)	: 7hrs 3hrs
	Dry to recoat (max)	: 7days 3days

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

Recommended Painting System

The following Primer/Intermediate are recommended for **NIPPON EA9 FINISH HB**:

Primer : Nippon 8048 ZN Phos Primer, Nippon EA9 Red Oxide Primer, Nippon Zinc Rich Primer, Nippe zinc E2 Primer

Topcoat : Nippon 8048, Nippon 8048 MIO, Nippon Epoxy MIO

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

Packaging

Unit	Base		Hardener	
	Vol	Container Size	Vol	Container Size
5L	4.5L	5L	0.5L	1L
20L	18L	20L	2L	2.5L

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, keep away from sources of heat and ignition.

Safety Precaution

1. 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.
2. Use this product in well-ventilated area, avoid skin contact, spillage on the skin should immediately be removed with suitable cleanser, soap and water.
3. Eye should be well flush with water and seek for medical attention immediately upon contact with this product.
4. During the application, naked flame, welding operation and smoking is not allowed. Adequate ventilation should be provided.
5. If you have any doubt regarding the suitability of use, refer to Nippon Paint for further information.

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.

PT NIPSEA PAINT AND CHEMICALS

JAKARTA (Head Office)
 Jl Ancol Barat I/A5/C No. 12
 Jakarta 14430, Indonesia
 T: (+62-21) 690 0546
 F: (+62-21) 692 7778 / 690 0540
 E: enquiry@nipponpaint-indonesia.com
www.nipponpaint-indonesia.com

MEDAN
 Jl KL Yos Sudarso Km 8.3
 Tanjung Mulia
 Medan, Indonesia
 T: (+62-61) 685 1117
 F: (+62-61) 685 1593

SURABAYA
 Jl Raya Veteran No. 258
 Gresik 61123
 Jawa Timur, Indonesia
 T: (+62-31) 398 1536
 F: (+62-31) 398 2285

PURWAKARTA
 Jl Raya Subang, Desa Cijaya
 Kec. Campaka, Purwakarta
 Jawa Barat, Indonesia
 T: (+62-264) 205 944-8
 F: (+62-264) 205 941