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PRODUCT DATA SHEET

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**NIPPON 52-01 EPOXY TOP COAT****Product Description:**

A two-pack pure epoxy finish for industrial and offshore structures at all type of atmospheric environment. An interval-free system is realized when combined with NIPPON 12-01 UNIVERSAL EPOXY PRIMER.

**Intended Use:**

Top coat for indoor structure at very tough atmospheric environment including off-shore structure.

**Physical Characteristics of Paint:**

Colour	: White, Black, Red Oxide, and a wide range of other colors
Gloss Level	: Semi-Gloss
Volume Solids, %	: 62 ± 2 %
Flash point	: Base: 6°C                      Hardener: 6°C
Typical Thickness	: 40 – 125µm dry film
	: 65 – 202µm wet film

**Surface Preparation:**

All surfaces to be coated should be clean, dry and free from contamination.

High pressure fresh water wash and remove all oil / grease, soluble contaminants and other foreign matters.

**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 or relative humidity exceeds 85%. The Steel surface temperature must be minimum 3°C above dew point of the surrounding air.

**Application Data:**

<b>Mixing Ratio</b>	: Base: hardener = 4:1 (by volume)
	Base and hardener should be mixed thoroughly before use.
<b>Induction time</b>	: 15mins
<b>Pot Life</b>	: 30°C
	5 Hrs

**NIPPON PAINT (VIETNAM) CO., LTD**

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 [www.nipponpaint.com](http://www.nipponpaint.com)

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<b>Theoretical Coverage</b>	:	15.5 m <sup>2</sup> /litre at 40 µm DFT
	:	4.96 m <sup>2</sup> /litre at 125 µm DFT
<b>Thinner</b>	:	Nippon Thinner 650

<b>Application Method</b>	:	Brush and roller application are suitable for stripe coating and very small areas. For best results, use airless spray. Care must be taken to achieve the specified dry film thickness.
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### Application Details

<b>Airless Spray</b>	:	Tip Size	:	0.48-0.53 mm
	:	Pressure at nozzle	:	100 - 150 kg/cm <sup>2</sup>
<b>Typical Thickness</b>	:	40 - 125 µm dry film		
	:	65 - 202 µm wet film		
<b>Drying Time</b>	:	Substrate Temperature	:	20°C                      30°C
		Surface Dry	:	1.5hrs                      1hrs
		Through Dry	:	16hrs                      15hrs
		Cured	:	7days                      5days
		Dry to recoat (min)	:	16hrs                      12hrs
		Dry to recoat (max)	:	-                              -

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.

\* Where an "extended" overcoating time is stated, consult Nippon Paint Protective Coatings for recommended surface preparation to achieve optimal inter coat adhesion

### Recommended Painting System:

The following Primers/ Intermediate coats are recommended for Nippon 40-01 EPOXY TOP COAT

#### **Primer coat**

- NIPPON 12-01 UNIVERSAL EPOXY PRIMER
- ZINKY 12/ ZINKY 22
- HI-PON 20-07 EPOXY ZP

#### **Intermediate coat**

- HI-PON 30-02 EPOXY MIO
- NIPPON EP 10-04 STE
- NIPPON 12-01 UNIVERSAL EPOXY PRIMER

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

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## Packaging:

Unit	Base		Hardener	
	Vol	Container Size	Vol	Container Size
20L	16L	20L	4L	5L
5L	5L	5L	1L	1L

## Storage:

**Shelf life** : Part A: 18 months (25°C)  
Part B: 18 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 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.

**NOTE:** The information given applies to the product and its performance under specific test conditions. Due to the varied circumstances beyond our control under which the product may be applied, for specific application, please contact Nippon Paint Sales & Marketing Dept. We reserve the right to modify our product data sheet without further notice.

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