

TECHNICAL DATA SHEET FOR

1K ROLL-ON METALLIC PAINT

DESCRIPTION	:	1K Roll-On Metallic Paint is a water-based metallic paint use on aluminum cladding panels and metal substrate. It is specially formulated for roller application to gives a uniform metallic finish.
TYPE	:	High performance modified acrylic with metallic finish
COLOUR	:	As per standard colour
FINISH	:	Low-gloss
USES	:	For the decoration and protection of aluminum cladding panels and metal substrate
FEATURES	:	<ul style="list-style-type: none">• Elegant metallic finish with roller application• Good weathering resistance• Long lasting colours• Non-toxic, does not contain lead, mercury and heavy metals• Environmentally friendly with water-based formulation• Low odour

APPLICATION DATA

METHOD	:	Roller
THEORETICAL COVERAGE	:	Approximate 10 m ² / litre based on maximum 30 microns DFT per coat
DILUTION	:	No dilution is necessary for best performance
SURFACE PREPARATION	:	Metal The surface must be: <ul style="list-style-type: none">• Clean/Dry• Free from grease/oil• Free from rust/foreign matter• Free from unstable old film

Exposed metal surface must be mechanically clean and sand to create surface profile before primed with Hi-Pon 20-03 Epoxy White Primer. Hi-Pon 20-03 Epoxy White primer shall be diluted with 10% Hi-Pon Epoxy Thinner to ensure good flow and leveling to provide good appearance of 1K Roll-On Metallic Paint

1K ROLL-ON METALLIC PAINT

DIRECTION OF USE	:	Roller Application Short nap roller and sponge roller shall be used in the application. Spread the paint with short nap roller at short application distance of maximum 1 meter width. Immediately follow by a sponge roller to even up excess paint by moving the roller from top to bottom at one direction.
DRYING TIME	:	Touch Dry – 30 mins at 30 °C Hard Dry – 2 hours at 30 °C
OVERCOATING TIME	:	2 hours minimum at 30 °C Overcoating time of 24 hours at 30 °C must be allowed before application of 2K PURoll-On Metallic Protective Clear
RECOMMENDED PAINTING SYSTEM	:	<ul style="list-style-type: none">• Primer: 1 coat of Hi-Pon 20-03 Epoxy White Primer• Metallic Coat: 2 coats of 1K Roll-On Metallic Paint• Clear coat: 2 coats of 2K PURoll-On Metallic Protective Clear (wet on wet)
CLEANING	:	All equipments should be cleaned with water immediately after use

GENERAL INFORMATION

SOLID CONTENT	:	40.0 ± 2.0 % by weight
SPECIFIC GRAVITY	:	1.05 – 1.11 kg / litre
PACKING	:	5 Litres
STORAGE	:	Store in a tightly sealed container in a cool, dry place
SHELF LIFE	:	Up to 12 months in a tightly sealed container
PRECAUTION	:	Ensure good ventilation during application and drying of paint. Avoid direct contact with sensitive skin. Use appropriate personal protective equipment

Refer to the product Safety Data Sheet for more information

The information given is intended to give a description of the product performance under specific test conditions. Nevertheless, we cannot assume any responsibility for the use of it since circumstances under which the products are applied in practice are subjected to many variations. We reserve the right to alter the given data without notice.

Enquiries / Contact Details	:	Customer Service 6265 5355 (Main Line) 6264 1603 (Fax) www.nipponpaint.com.sg
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TECHNICAL DATA SHEET FOR

2K PU ROLL-ON METALLIC PROTECTIVE CLEAR

DESCRIPTION	:	2K PU Roll-On Metallic Paint Protective Clear is a two-component aliphatic polyurethane coating. It provides a durable, semi-gloss coating with good abrasion, chemical resistance and with good weathering resistance
TYPE	:	2 component solvent-based aliphatic polyurethane
COLOUR	:	Clear
FINISH	:	Semi-gloss
USES	:	It is formulated to be applied directly onto fully cured water-based Acrylic emulsion paint such as 1K Roll-On Metallic Paint to enhance performance of physical, chemical properties and weathering resistance
FEATURES	:	<ul style="list-style-type: none">• Good mechanical film properties such as film hardness, adhesion, scratch resistance and abrasion resistance• Excellent resistance to mild solvents, water, detergents, mild acids, alkali, oil and grease• Excellent resistance to weathering,• Good compatibility with cured water-based acrylic emulsion paint• Easy application

APPLICATION DATA

METHOD	:	Roller
THEORETICAL COVERAGE	:	8 m ² / L at dry film thickness of 30 µm (2 coats wet on wet)
DILUTION	:	No dilution is necessary. Dilution with solvent might cause incompatibility with water-based acrylic emulsion paint
MIXING RATIO	:	Base : Hardener = 4:1 (by volume)
POT LIFE	:	5 Hrs at 25°C

2K PU ROLL-ON METALLIC PROTECTIVE CLEAR

SURFACE PREPARATION	: Metal The surface must be: <ul style="list-style-type: none">• Clean/Dry• Free from grease/oil• Free from rust/foreign matter• Free from unstable old film <p>Exposed metal surface must be mechanically clean and sand to create surface profile before primed with Hi-Pon 20-03 Epoxy White Primer. Hi-Pon 20-03 Epoxy White primer shall be diluted with 10% Hi-Pon Epoxy Thinner to ensure good flow and leveling to provide good appearance of 1K Roll-On Metallic Paint</p>
DIRECTION OF USE	: Roller Application Allow 1K Roll-On Metallic Paint to cure for at least 24 hours before apply 2K PU Roll-On Metallic Paint Protective Clear. Short nap roller shall be used in the application. Spread the paint with short nap roller at short application distance of maximum 1 meter width. Immediately follow by a wet on wet application of second coat of 2K PU Roll-On Metallic Paint Protective Clear. Even up excess paint by moving the roller from top to bottom at one direction.
DRYING TIME	: Touch Dry – 2 hours at 30 °C Hard Dry – 9 hours at 30 °C
OVERCOATING TIME	: 9 hours minimum at 30 °C
RECOMMENDED PAINTING SYSTEM	: <ul style="list-style-type: none">• Primer: 1 coat of Hi-Pon 20-03 Epoxy White Primer• Metallic Coat: 2 coats of Roll-On Metallic Paint• Clear coat: 2 coats of Roll-On Metallic Paint Clear Coat (wet on wet)
CLEANING	: All equipments should be cleaned with Hi-Pon PU Thinner immediately after use
GENERAL INFORMATION	
SOLID CONTENT	: 52.0 ± 2.0 % by weight (Mixed)
VOLUME SOLID	: 53 ± 2.0 %
SPECIFIC GRAVITY	: 0.97 – 1.01 kg / litre (Mixed)

2K PU ROLL-ON METALLIC PROTECTIVE CLEAR**PACKING**

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

STORAGE

: Store in a tightly sealed container in a cool, dry place

SHELF LIFE

: Up to 12 months in a tightly sealed container

PRECAUTION

: Ensure good ventilation during application and drying of paint. Avoid direct contact with sensitive skin. Use appropriate personal protective equipment

Refer to the product Safety Data Sheet for more information

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