



**ISO 12944-2018**

Coating Selection Guide



# Nippon Paint Singapore

An affiliate of Nippon Paint Japan and part of the Nipsea Group, Nippon Paint was established in Singapore in 1962. Today, it is one of the nation's leading paint manufacturers and enjoys an unsurpassed reputation for quality and innovation.

Nippon Paint Singapore combines in-depth local market knowledge with the global resources of the Nipsea Group. With 82 manufacturing facilities in 18 countries, the Group produces close to a billion litres of paints and coatings per annum.

In accordance with the Group's stringent quality control, Nippon Paint Singapore manufactures and markets a comprehensive range of paints that provide end-to-end solutions for virtually all painting needs, from residential interiors and exteriors to demanding industrial applications.

The company enforces a strict Quality, Environmental, Health and Safety Management System (QEHSMS) committed to the prevention of pollution, injury, ill health and exposure to hazards. Its policies protect all those who work directly or indirectly for the organisation.

Guided by core values of integrity, resourcefulness and the pursuit of excellence, Nippon Paint Singapore has blazed a trail for the painting industry with the launch of a series of first-in-Singapore functional painting products that not only beautify but protect the environment and the people in it.

An impressive portfolio of major projects, in infrastructure, oil and gas petrochemicals, attests the trust and confidence invested in the brand by leading project developers, architects and Government bodies.

REPRESENTED IN

18

COUNTRIES



22,000

NUMBER OF STAFF

82

MANUFACTURING FACILITIES



Cert No. 97/0009  
SS ISO 14001:2004



Cert No. 92-2-0044  
SS ISO 9001:2000



Cert No. 018-2007-0197  
OHSAS 18001:1999



Environmentally Friendly  
No Lead Added  
No Mercury Added



SGBC  
100% GREEN

# ISO 12944

## A globally recognised standard for corrosion protection

The ISO 12944 standard aims to assist engineers and corrosion experts in adopting best practices in corrosion protection of structural steel in new constructions. It is a widely adopted and globally accepted industry standard, recognised by specifiers worldwide.

Whether in the open air, immersed in water or surrounded by soil, all unprotected steel is subject to corrosion which will eventually undermine its structural integrity. Corrosion protection will help optimise the performance and maximise the lifetime of the steel structure to which it is applied.

Selecting a coating system that complies with ISO 12944 provides you with the confidence that the corrosion protection you specify will fulfil your project and purpose.

To select the correct coating system for your project and purpose, first consider the environment and then the desired durability.



# 1 Select the Environment



Environment can be classified into the following atmospheric and immersed category.

The examples listed are informative and might occasionally be misleading. Only actual measurement of mass or thickness loss will give the correct classification.

**TABLE 1: ATMOSPHERIC-CORROSIVITY CATEGORIES AND EXAMPLES OF TYPICAL ENVIRONMENTS**

Corrosivity Category	EXTERIOR	INTERIOR
C1 VERY LOW	—	Heated buildings with clean atmospheres, e.g. offices, shops, schools, hotels
C2 LOW	Atmospheres with low level of pollution: mostly rural areas	Unheated buildings where condensation can occur, e.g. depots, sports halls
C3 MEDIUM	Urban and industrial atmospheres, moderate sulfur dioxide pollution; coastal areas with low salinity	Production rooms with high humidity and some air pollution, e.g. food-processing plants, laundries, breweries, dairies
C4 HIGH	Industrial areas and coastal areas with moderate salinity	Chemical plants, swimming pools, coastal ships and boatyards
C5 VERY HIGH	Industrial areas with high humidity and aggressive atmosphere and coastal areas with high salinity	Buildings or areas with almost permanent condensation and with high pollution
CX EXTREME	Offshore areas with high salinity and industrial areas with extreme humidity and aggressive atmosphere and subtropical and tropical atmospheres	Industrial areas with extreme humidity and aggressive atmosphere

Note: Corrosivity categories can also be estimated by considering the combined effect of the following environment factors: yearly time of wetness, yearly mean concentration of sulfur dioxide and yearly mean deposition of chloride (see ISO 9223). The loss values used for the corrosivity categories are identical to those given in ISO 9223.



For structures immersed in water or buried in soil, corrosion is normally local in nature and corrosivity categories are difficult to define. However, for the purpose of this document, various environments can be described. In table 2, four different environments are given together with their designations.

**TABLE 2: CATEGORIES FOR WATER AND SOIL**

Category	ENVIRONMENT	EXAMPLES OF ENVIRONMENT AND STRUCTURES
IM1	Fresh water	River installations, hydro-electronic power plants
IM2	Sea or brackish water	Immersed structures without cathodic protection (e.g. harbour areas with structures like sluice gates, locks or jetties)
IM3	Soil	Buried tanks, steel piles, steel pipes
IM4	Sea or brackish water	Immersed structures with cathodic protection (e.g. offshore structures)

Note: For corrosivity category IM1 and IM3, cathodic protection can be used with a paint system tested accordingly.

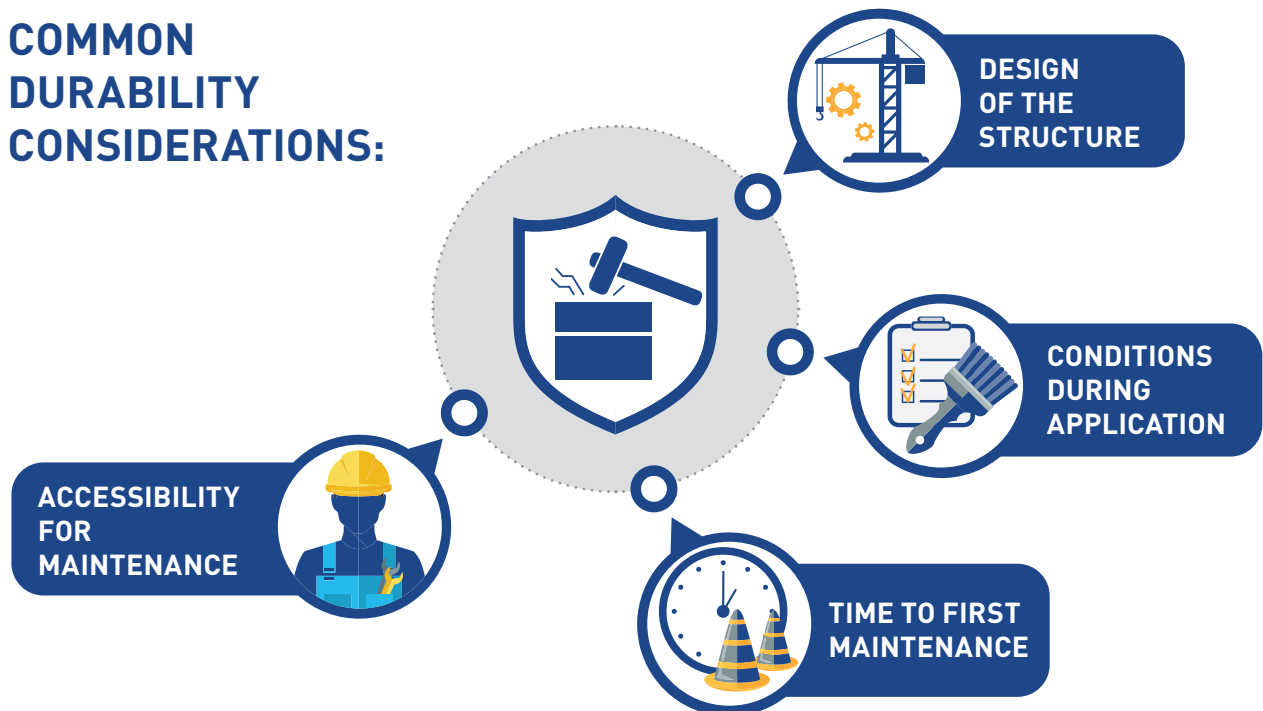
# 2 Select the Lifespan



Durability relates to the performance of the coating system before first major maintenance. Minor regular maintenance should be carried out in order to achieve the required life of the design system to first major maintenance (note that durability does not equate to a guarantee time).

DURABILITY	YEARS TO FIRST MAJOR MAINTENANCE
LOW (L)	Up to 7 years
MEDIUM (M)	7 to 15 years
HIGH (H)	15 to 25 years
VERY HIGH (VH)	More than 25 years

## COMMON DURABILITY CONSIDERATIONS:



# 3 Select

## the ISO 12944 compliant system

AK Alkyd AY Acrylic EP Epoxy ESI Ethyl Silicate PUR Polyurethane Zn (R) Zinc Rich

TABLE C.2 PAINT SYSTEMS FOR CARBON STEEL FOR CORROSIVITY CATEGORY C2

System No	PRIMER COAT				SUBSEQUENT COAT				PAINT SYSTEM		DURABILITY			
	Product	Type of Product	No of Coats	NDFT in µm	Product	Type of Product	No of Coats	NDFT in µm	Total NDFT in µm	Total No of Coats	low (l)	med (m)	high (h)	very high (vh)
C2.01	HI-ALKYD 1402	AK	1	50	HI-ALYKD 1501	AK	1	30	80	2	🔥			
C2.02	HI-ALKYD 1402	AK	1	60	HI-ALYKD 1501	AK	1	40	100	2	🔥	🔥		
C2.03	HI-VINYL 1201	AY	1	100	HI-ACRYL 1901	AY	1	60	160	2	🔥	🔥	🔥	
C2.04	HI-VINYL 1201	AY	2	80	HI-ACRYL 1901	AY	1	40	200	3	🔥	🔥	🔥	🔥
C2.05	HI-PON 20-03 or HI-PON 20-10	EP	1	60	HI-PON 50-01 or HI-PON 50-03	PUR	1	60	120	2	🔥	🔥	🔥	
C2.05	HI-PON 20-03 or HI-PON 20-10	EP	1	60	HI-PON 40-04	EP	1	60	120	2	🔥	🔥	🔥	
C2.06	HI-PON 20-04 STE or HI-PON 20-07	EP	1	130	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	180	2	🔥	🔥	🔥	🔥
C2.06	HI-PON 20-04 STE or HI-PON 20-07	EP	1	130	HI-PON 40-04	EP	1	50	180	2	🔥	🔥	🔥	🔥
C2.07	ZINKY 13	ESI	1	60	-	-	-	-	60	1	🔥	🔥	🔥	
C2.08	ZINKY 22 or ZINKY 23	Zn (R)	1	80	HI-PON 50-01 or HI-PON 50-03	PUR	1	80	160	2	🔥	🔥	🔥	🔥

# 3 Select

## the ISO 12944 compliant system

AK Alkyd AY Acrylic EP Epoxy ESI Ethyl Silicate PUR Polyurethane Zn (R) Zinc Rich

TABLE C.3 PAINT SYSTEMS FOR CARBON STEEL FOR CORROSIVITY CATEGORY C3

System No	PRIMER COAT				SUBSEQUENT COAT								PAINT SYSTEM		DURABILITY			
	Product	Type of Product	No of Coats	NDFT in µm	MID COAT				TOP COAT				Total NDFT in µm	Total No of Coats	low (l)	med (m)	high (h)	very high (vh)
					Product	Type of Product	No of Coats	NDFT in µm	Product	Type of Product	No of Coats	NDFT in µm						
C3.01	HI-ALKYD 1402	AK	1	60	-	-	-	-	HI-ALYKD 1501	AK	1	40	100	2	🔧			
C3.02	HI-VINYL 1201	AY	1	100	-	-	-	-	HI-ACRYL 1901	AY	1	60	160	2	🔧	🔧		
C3.03	HI-VINYL 1201	AY	2	75	-	-	-	-	HI-ACRYL 1901	AY	1	50	200	3	🔧	🔧	🔧	
C3.04	HI-VINYL 1201	AY	3	70	-	-	-	-	HI-ACRYL 1901	AY	1	50	260	4	🔧	🔧	🔧	🔧
C3.05	HI-PON 20-03 or HI-PON 20-10	EP	1	80	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	130	2	🔧	🔧		
C3.05	HI-PON 20-03 or HI-PON 20-10	EP	1	80	-	-	-	-	HI-PON 40-04	EP	1	50	130	2	🔧	🔧		
C3.06	HI-PON 20-04 STE or HI-PON 20-07	EP	1	100	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	80	180	2	🔧	🔧	🔧	
C3.06	HI-PON 20-04 STE or HI-PON 20-07	EP	1	100	-	-	-	-	HI-PON 40-04	EP	1	80	180	2	🔧	🔧	🔧	
C3.07	HI-PON 20-03 or HI-PON 20-10	EP	1	80	HI-PON 30-02 or HI-PON 30-03	EP	1	110	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	240	3	🔧	🔧	🔧	🔧
C3.07	HI-PON 20-03 or HI-PON 20-10	EP	1	80	HI-PON 30-02 or HI-PON 30-03	EP	1	110	HI-PON 40-04	EP	1	50	240	3	🔧	🔧	🔧	🔧
C3.08	ZINKY 13	ESI	1	60	-	-	-	-	-	-	-	-	60	1	🔧	🔧		
C3.09	ZINKY 22 or ZINKY 23	Zn (R)	1	80	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	80	160	2	🔧	🔧	🔧	
C3.10	ZINKY 22 or ZINKY 23	Zn (R)	1	70	HI-PON 30-02 or HI-PON 30-03 or HI-PON 30-04	EP	1	80	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	200	3	🔧	🔧	🔧	🔧

# 3 Select

## the ISO 12944 compliant system

AY Acrylic   EP Epoxy   ESI Ethyl Silicate   PUR Polyurethane   Zn (R) Zinc Rich

TABLE C.4 PAINT SYSTEMS FOR CARBON STEEL FOR CORROSIVITY CATEGORY C4

System No	SUBSEQUENT COAT																	
	PRIMER COAT				MID COAT				TOP COAT				PAINT SYSTEM		DURABILITY			
	Product	Type of Product	No of Coats	NDFT in $\mu\text{m}$	Product	Type of Product	No of Coats	NDFT in $\mu\text{m}$	Product	Type of Product	No of Coats	NDFT in $\mu\text{m}$	Total NDFT in $\mu\text{m}$	Total No of Coats	low (l)	med (m)	high (h)	very high (vh)
C4.01	HI-VINYL 1201	AY	1	100	-	-	-	-	HI-ACRYL 1901	AY	1	60	160	2	🔧			
C4.02	HI-VINYL 1201	AY	2	75	-	-	-	-	HI-ACRYL 1901	AY	1	50	200	3	🔧	🔧		
C4.03	HI-VINYL 1201	AY	3	70	-	-	-	-	HI-ACRYL 1901	AY	1	50	260	4	🔧	🔧	🔧	
C4.04	HI-PON 20-10	EP	1	80	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	130	2	🔧			
C4.04	HI-PON 20-10	EP	1	80	-	-	-	-	HI-PON 40-04	EP	1	50	130	2	🔧			
C4.05	HI-PON 20-04 STE or HI-PON 20-07	EP	1	130	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	180	2	🔧	🔧		
C4.05	HI-PON 20-04 STE or HI-PON 20-07	EP	1	130	-	-	-	-	HI-PON 40-04	EP	1	50	180	2	🔧	🔧		
C4.06	HI-PON 20-04 STE or HI-PON 20-07	EP	1	80	HI-PON 30-02 or HI-PON 30-03	EP	1	110	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	240	3	🔧	🔧	🔧	
C4.06	HI-PON 20-04 STE or HI-PON 20-07	EP	1	80	HI-PON 30-02 or HI-PON 30-03	EP	1	110	HI-PON 40-04	EP	1	50	240	3	🔧	🔧	🔧	
C4.07	HI-PON 20-04 STE or HI-PON 20-07	EP	1	150	HI-PON 30-02 or HI-PON 30-03	EP	1	150	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	300	3	🔧	🔧	🔧	🔧
C4.07	HI-PON 20-04 STE or HI-PON 20-07	EP	1	125	HI-PON 20-04 STE or HI-PON 30-02 or HI-PON 30-03	EP	1	125	HI-PON 40-04	EP	1	50	300	3	🔧	🔧	🔧	🔧
C4.08	ZINKY 13	ESI	1	60	-	-	-	-	-	-	-	-	60	1	🔧			
C4.09	ZINKY 22 or ZINKY 23	Zn (R)	1	80	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	80	160	2	🔧	🔧		
C4.10	ZINKY 22 or ZINKY 23	Zn (R)	1	60	HI-PON 30-02 or HI-PON 30-03 or HI-PON 30-04	EP	1	90	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	200	3	🔧	🔧	🔧	
C4.11	ZINKY 22 or ZINKY 23	Zn (R)	1	60	HI-PON 30-02 or HI-PON 30-03	EP	1	150	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	260	3	🔧	🔧	🔧	🔧



# 3 Select

## the ISO 12944 compliant system

EP Epoxy    PUR Polyurethane    Zn (R) Zinc Rich

**TABLE C.5 PAINT SYSTEMS FOR CARBON STEEL FOR CORROSIVITY CATEGORY C5**

System No	SUBSEQUENT COAT													PAINT SYSTEM		DURABILITY			
	PRIMER COAT				MID COAT				TOP COAT										
	Product	Type of Product	No of Coats	NDFT in µm	Product	Type of Product	No of Coats	NDFT in µm	Product	Type of Product	No of Coats	NDFT in µm	Total NDFT in µm	Total No of Coats	low (l)	med (m)	high (h)	very high (vh)	
C5.01	HI-PON 20-04 STE AL or HI-PON 20-07	EP	1	130	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	180	2	🔧				
C5.02	ZINKY 22 or ZINKY 23	Zn (R)	1	80	HI-PON 30-02 or HI-PON 30-03	EP	1	110	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	240	3	🔧	🔧			
C5.02	HI-PON 20-04 STE AL or HI-PON 20-07	EP	1	180	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	60	240	2	🔧	🔧			
C5.03	ZINKY 22 or ZINKY 23	Zn (R)	1	80	HI-PON 30-02 or HI-PON 30-03	EP	1	170	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	300	3	🔧	🔧	🔧		
C5.03	HI-PON 20-04 STE AL or HI-PON 20-07	EP	1	125	HI-PON 30-02 or HI-PON 30-03	EP	1	125	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	300	3	🔧	🔧	🔧		
C5.04	ZINKY 22 or ZINKY 23	Zn (R)	1	80	HI-PON 30-02 or HI-PON 30-03 or HI-PON 30-04	EP	2	100	HI-PON 50-01 or HI-PON 50-03	PUR	1	80	360	4	🔧	🔧	🔧	🔧	
C5.04	HI-PON 20-04 STE AL or HI-PON 20-07	EP	1	100	HI-PON 30-02 or HI-PON 30-03 or HI-PON 30-04	EP	2	100	HI-PON 50-01 or HI-PON 50-03	PUR	1	60	360	4	🔧	🔧	🔧	🔧	
C5.05	ZINKY 22 or ZINKY 23	Zn (R)	1	80	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	80	160	2	🔧				
C5.06	ZINKY 22 or ZINKY 23	Zn (R)	1	80	HI-PON 30-04	EP	1	70	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	200	3	🔧	🔧			
C5.07	ZINKY 22 or ZINKY 23	Zn (R)	1	80	HI-PON 30-02 or HI-PON 30-03	EP	1	130	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	260	3	🔧	🔧	🔧		
C5.08	ZINKY 22 or ZINKY 23	Zn (R)	1	80	HI-PON 30-02 or HI-PON 30-03	EP	1	180	HI-PON 50-01 or HI-PON 50-03	PUR	1	60	320	3	🔧	🔧	🔧	🔧	

**TABLE C.6 PAINT SYSTEMS FOR CARBON STEEL FOR IMMERSION CATEGORIES IM1 IM2 IM3**

System No	SUBSEQUENT COAT													PAINT SYSTEM		DURABILITY			
	PRIMER COAT				MID COAT				TOP COAT										
	Product	Type of Product	No of Coats	NDFT in µm	Product	Type of Product	No of Coats	NDFT in µm	Product	Type of Product	No of Coats	NDFT in µm	Total NDFT in µm	Total No of Coats	low (l)	med (m)	high (h)	very high (vh)	
I.03	HI-PON 20-04 STE GF	EP	1	190	-	-	-	-	HI-PON 20-04 STE GF	EP	1	190	380	2	🔧	🔧	🔧		
I.04	HI-PON 90-01	EP	1	270	-	-	-	-	HI-PON 90-01	EP	1	270	540	2	🔧	🔧	🔧	🔧	
I.05	HI-PON 20-04 STE GF	EP	1	200	-	-	-	-	HI-PON 20-04 STE GF	EP	1	200	400	2	🔧	🔧	🔧		
I.06	HI-PON 90-01	EP	1	300	-	-	-	-	HI-PON 90-01	EP	1	300	600	2	🔧	🔧	🔧	🔧	

# 3 Select

## the ISO 12944 compliant system

EP Epoxy    PUR Polyurethane

TABLE D.1 PAINT SYSTEMS ON HOT DIP GALVANISED STEEL FOR CORROSIVITY CATEGORIES C2 TO C5

System No	Corrosivity Category	SUBSEQUENT COAT														PAINT SYSTEM		DURABILITY			
		PRIMER COAT				MID COAT				TOP COAT				Total NDFT in µm	Total No of Coats	low (l)	med (m)	high (h)	very high (vh)		
		Product	Type of Product	No of Coats	NDFT in µm	Product	Type of Product	No of Coats	NDFT in µm	Product	Type of Product	No of Coats	NDFT in µm								
G2.01	C2	HI-PON 20-03	EP	1	80	-	-	-	-	-	-	-	-	80	1	🟡	🟡	🟡			
G2.03		HI-PON 20-03	EP	1	80	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	130	2	🟡	🟡	🟡	🟡		
G3.01	C3	HI-PON 20-03	EP	1	80	-	-	-	-	-	-	-	-	80	1	🟡	🟡				
G3.02		HI-PON 20-03	EP	1	80	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	130	2	🟡	🟡	🟡			
G3.04		HI-PON 20-03	EP	1	80	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	80	160	2	🟡	🟡	🟡	🟡		
G4.01	C4	HI-PON 20-03	EP	1	80	-	-	-	-	-	-	-	-	80	1	🟡					
G4.02		HI-PON 20-03	EP	1	80	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	130	2	🟡	🟡				
G4.04		HI-PON 20-03	EP	1	80	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	80	160	2	🟡	🟡	🟡			
G4.06		HI-PON 20-03	EP	1	80	HI-PON 30-04	EP	1	70	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	200	3	🟡	🟡	🟡	🟡		
G5.01	C5	HI-PON 20-03	EP	1	80	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	130	2	🟡					
G5.02		HI-PON 20-03	EP	1	80	-	-	-	-	HI-PON 50-01 or HI-PON 50-03	PUR	1	80	160	2	🟡	🟡				
G5.04		HI-PON 20-03	EP	1	80	HI-PON 30-04	EP	1	70	HI-PON 50-01 or HI-PON 50-03	PUR	1	50	200	3	🟡	🟡	🟡			
G5.05		HI-PON 20-03	EP	1	80	HI-PON 30-02 or HI-PON 30-03 or HI-PON 30-04	EP	1	100	HI-PON 50-01 or HI-PON 50-03	PUR	1	60	240	3	🟡	🟡	🟡	🟡		

# 3 Select

## the ISO 12944 compliant system

EP Epoxy    PUR Polyurethane

TABLE E.1 PAINT SYSTEMS ON THERMAL SPRAYED METALLIC COATING FOR CORROSIVITY CATEGORIES C4 AND C5

System No	Corrosivity Category	SUBSEQUENT COAT																	
		PRIMER COAT				MID COAT				TOP COAT				PAINT SYSTEM		DURABILITY			
		Product	Type of Product	No of Coats	NDFT in $\mu\text{m}$	Product	Type of Product	No of Coats	NDFT in $\mu\text{m}$	Product	Type of Product	No of Coats	NDFT in $\mu\text{m}$	Total NDFT in $\mu\text{m}$	Total No of Coats	low (l)	med (m)	high (h)	very high (vh)
TSM 4.01	C4	HI-PON 20-03	EP	1	N/A	HI-PON 20-04 STE	1	EP	80	HI-PON 50-01 or HI-PON 50-03	PUR	1	80	160	2			🔧	
TSM 4.02		HI-PON 20-03	EP	1	N/A	HI-PON 20-04 STE	1	EP	120	HI-PON 50-01 or HI-PON 50-03	PUR	1	80	200	2			🔧	🔧
TSM 5.01	C5	HI-PON 20-03	EP	1	N/A	HI-PON 20-04 STE	1	EP	120	HI-PON 50-01 or HI-PON 50-03	PUR	1	80	200	2			🔧	
TSM 5.02		HI-PON 20-03	EP	1	N/A	HI-PON 20-04 STE	1	EP	120	HI-PON 50-01 or HI-PON 50-03	PUR	1	80	240	2			🔧	🔧

Notes:

- For C5X and IM4 Environment Paint System, please consult a Nippon Paint Representative

The information presented here 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 ISO 12944 Compliant System without prior notice. It is the user's responsibility to check with Nippon Paint for the latest version. This ISO 12944 Compliant System has been translated into various languages. In the event of any inconsistency, the English version shall prevail.



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## BANGLADESH

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