



# EPW Floor Finish

HIGH PERFORMANCE FLOOR COATING



Environmental  
friendly



Abrasion  
Resistance



Dirt  
Resistance



Low Gloss



**GIC GREEN**  
PRODUCT CERTIFICATION  
GICGPC-L-21138(P&C)



## Highlight

Nippon Paint EPW Floor Finish is a two-component high performance water-based modified epoxy floor coating which has dust / dirt resistance and provides an optimum level of anti-abrasion performance for light-duty service. It gives a low gloss decorative finish and optimum protection for floor concrete surface.

## CIC Green Product Certification

The CIC Green Product Certification is an environmental labelling scheme owned by the Construction Industry Council (CIC) and implemented by the Hong Kong Green Building Council (HKGBC) which aims to help consumers, building professionals and policy makers identify environmentally preferable building materials and products.



## Performance Data

Test	Test Method	Result
VOC Content (g/L)	USEPA Method 24	<10
Formaldehyde (%)	ASTM D5910-05 (2012)	Not detected
Plasticisers Content (%) (DBP, BBP, DEHP, DINP, DNOP, DIDP)	CPSC-CH-C1001-09.3	Not detected
Heavy Metal (%) (Lead, Cadmium, Hexavalent Chromium, Mercury, Barium)	ISO 3856 1,4,5,7,3 : 1984	Lead: Not Detected Cadmium: Not Detected Hexavalent Chromium: Not Detected Mercury: Not Detected Barium: .0.02%
Ozone Depleting substances (%)	Solvent extraction followed by analysis using Headspace Gas Chromatography Mass Spectrometry	Not detected
Sum of Benzene, toluene, ethylbenzene, xylene	GB/T 22374-2018	Not detected
Heavy Metal – (Pb, Cd, Cr, Hg) (mg/kg)	GB/T 22374-2018	Not detected
Condition in Container	GB/T 22374-2018	After stirring and mixing, it makes uniform condition, without any hard lumps.
Film appearance	GB/T 22374-2018	Pass
Hardness	GB/T 22374-2018	H
Tensile Adhesion Strength (MPa)	GB/T 22374-2018, Standard Condition	3.7
Tensile Adhesion Strength (MPa)	GB/T 22374-2018, Immersion in Water	2.2
Chemical resistance	GB/T 22374-2018	No blistering, peeling and discolouration
Abrasion Resistance (750g/500r,g)	GB/T 22374-2018	0.046
Impact resistance (1000g)	GB/T 22374-2018	No cracking and peeling
Slip resistance (dry index)	GB/T 22374-2018	0.69

Test	Test Method	Result
Water Resistance (168 hours)	GB/T 22374-2018	No blistering, peeling, discolouration
Resistance to marks from hot tire	GB/T 22374-2018	$\Delta E^* = 0.7$ (single colour)
Fire Performance	GB8624	Class A (A2-s1,t2)

## Technical Data

Type	Epoxy
Colour	Standard colours as per colour card
Finish	Low Gloss
Application Method	Roller
Theoretical Coverage	Theoretical: 0.15 kg/m <sup>2</sup> /coat Practical: Depends on substrate condition, application method, etc
Dilution	Max 5% clean water
Mixing Ratio	Base : Hardener = 1 : 1 (by weight)
Drying Time	Touch dry (at 25°C): 1 hour Dust free (at 25°C): 10 hours Overcoat Time (at 25°C): ≥ 24 hours These are dependent on the film thickness and the ventilation of the environment allowed. Increased temperature will speed up the drying time
Recommended Painting System	1 coat: Nippon Paint ZF-F304 Epoxy Sealer 2 coat: Nippon Paint EPW Floor Finish
Solid Content	>35% (Mixed) (By volume)
Specific Gravity	~1.0 (Mixed)
Packing	32 kg/set (Base : 16 kg / Hardener : 16 kg)
Storage	Store in a tightly sealed container in a cool and dry place
Shelf Life	12 months in sealed original packaging stored at room temperature and shaded place.
Pot Life	20 mins (at 25°C) (Used up the mixed paint with the pot life time)
Precaution	Do not mix thinner for dilution. Ensure adequate ventilation during use. Avoid undue contact with skin. All equipment should be cleaned with water immediately after use

## Job Reference



Open University Nursing & Healthcare Complex



Sha Kok Estate



The Quayside



Tin Yiu Estate