



Eco-Guard

ULTRA-PREMIUM GREEN PRODUCT



Not
Detected
VOC



Excellent
Water Vapour
Transmission



Fire
Retardation



Anti-Bacteria
>99.9%



GIC GREEN
PRODUCT CERTIFICATION
GICGPC-L-21135(P&C)

Highlight

Nippon Paint Eco-Guard Emulsion Paint is an ultra-premium and eco-friendly interior emulsion paint with undetected VOC, water vapour transmission, retardation of flame spread and anti-bacterial function (Escherichia coli, Staphylococcus aureus and MRSA). It also provides excellent hiding power, dirt resistance, water resistance, humidity resistance, wet scrub resistance, alkaline resistance and fungus resistance, giving the most outstanding and all-rounded performances and protections for interiors.

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)	BS EN ISO 11890 2 : 2013	Not detected
Formaldehyde (%)	ASTM D5910-05 (2012)	Not detected
Plasticisers Content (%) (DBP, BBP, DEHP, DINP, DNOP)	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: .0.002
Ozone Depleting Substances (%)	Solvent extraction followed by analysis using Headspace Gas Chromatography Mass Spectrometry	Not detected
Hiding Power (Contrast Ratio %)	BS EN ISO 2814 : 2006	94
Flexibility (Bend Test)	BS 3900 : E1 : 1995	Pass at 3 mm mandrel. No cracking and no detachment of the coating from the substrate
Adhesion	BS 3900 : E6 : 1992	Class 1
Wet Scrub Resistance (1000 cycles)	ASTM D 2486 06 Method A	Pass
Water Resistance (96 hrs)	JIS K5660 : 2008 7.11	No abnormalities on the film surface
Humidity and Cool Heat Resistance (10 cycles)	JIS K5660 : 2008 7.14	No abnormalities on the film surface
Water Vapour Transmission (Sd, m)	EN ISO 7783	0.095m
Alkaline Resistance (7 days)	JIS K 5660 : 2008 7.12	No abnormalities on the film surface
Fungus Resistance (7 days)	ASTM G21-15	Rating 0
Surface Spread of flame	BS 476: Part 7 : 1997 Incorporating Corrigendum No.1 : 2014	Class 1
Dirt Resistance	Ref.JIS K5600 : 2008	Grey Scale : 5
Antibacterial activity (Antibacterial rate%) (Escherichia coli, Staphylococcus aureus, MRSA)	Ref. HG/T 3950 2007	>99.9

Advantages



Not
Detected
Formaldehyde



Water
Resistance



Alkaline
Resistance



Fungus
Resistance



Dirt
Resistance

Technical Data

Type	Acrylic Resin
Colour	White and Nippon Paint 1988 colour creations
Finish	Matt
Application Method	<ul style="list-style-type: none"> • Brush • Roller • Spray
Theoretical Coverage	Theoretical: 13.3m ² /L/coat Practical: Depends on substrate condition, application method, etc
Dilution	Max. 20% clean water
Drying Time	Touch dry (at 25°C): 10 minutes Hard dry (at 25°C): 30 minutes Overcoat Time (at 25°C): 2 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 coats: Nippon Paint QB 232 Extra Sealer 2 coats: Nippon Paint Eco-Guard Interior Emulsion Paint
Solid Content	~ 56% (by weight)
Specific Gravity	~ 1.45
Packing	18L
Storage	Store in a tightly sealed container in a cool and dry place
Shelf Life	36 months in sealed original packaging stored at room temperature and shaded place
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