

Polyurethane Dispersion PUD

REVOLUTIONARY GREEN
METAL AND FLOORING GUARD



Water Borne
Nature



Excellent
Chemical Resistance



Self Linking
Technology



Excellent
Weathering
Resistance



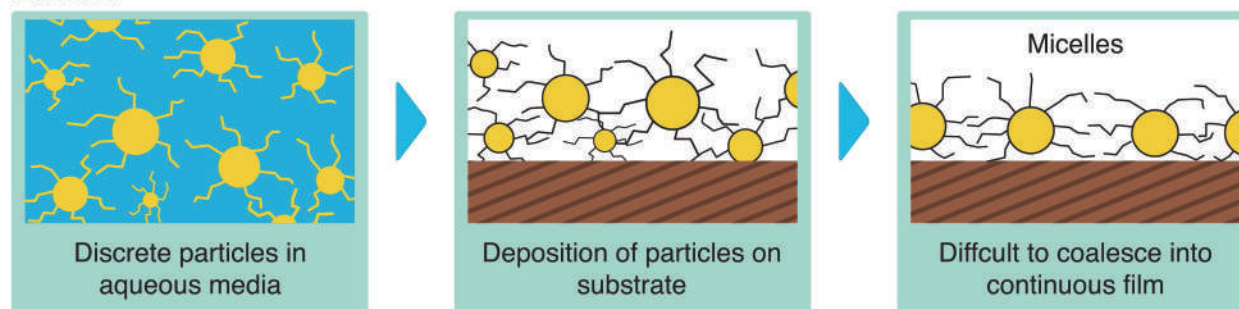
Convenient
Application

Highlight

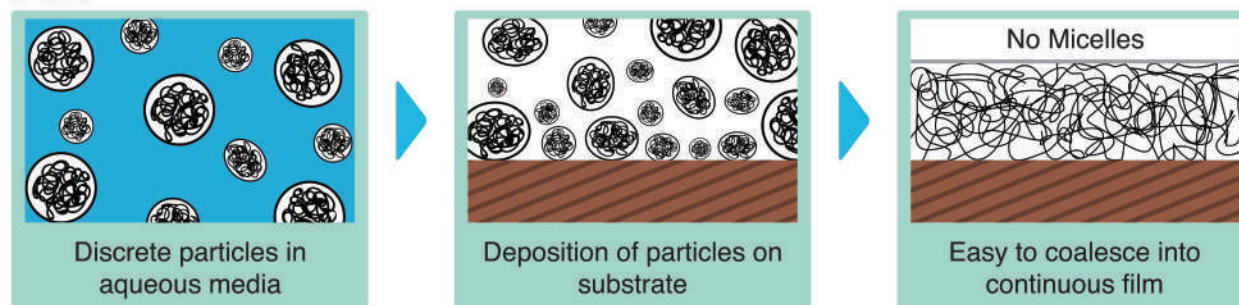
Polyurethane Dispersion (PUD) is an innovative **Water-Based Polyurethane** coating in one single pack. Self Linking Technology (SLT) enhances coating performance (aesthetic and mechanical properties) and exhibits long term protection over different substrates.

Latex vs. PUD

Latex



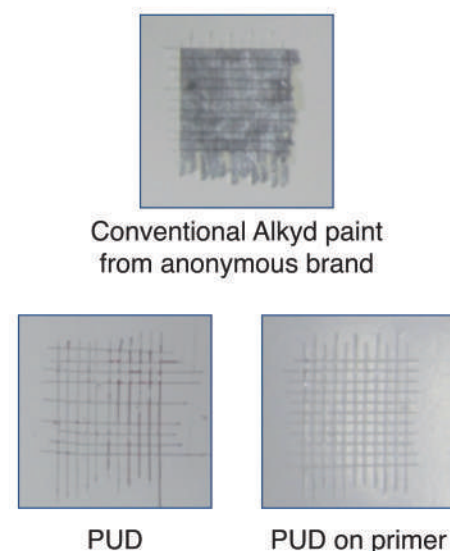
PUD



PUD forms better continuous film than Latex.

Why PUD?

- Uniqueness of the Self Linking Technology form a STURDY top coat.
- Environmental Friendly water borne feature demonstrate an outstanding performance exceeding the solvent base counter part.
- Self Dispersion Power - HIGHER PURITY which strengthen the resistance control to extreme condition.
- Low VOC



Technical Data

Type	HDC PUD Finish (Metal)	PUD Floor Finish
Color	Nippon Paint 1881 Colour Creations	
Finish	Gloss	
Application Method	• Brush or Roller • Spray (Delivery Pressure : 4 kg/cm ²) (Tip Size : Ø1.3~1.8 mm at 60° angle)	• Roller
Theoretical Coverage	0.15 kg/m ² Dry Film Thickness of 35 microns	0.10 - 0.15 kg/m ² Dry Film Thickness of 40 - 60 microns
Dilution	Brush or Roller : 0 - 10% Water	Roller : 0 - 5% Water
Drying Time	Surface Dry : 45 minutes at 25°C Hard Dry : 8 hours at 25°C	Surface Dry : 30 minutes at 30°C Overcoating : > 4 hours at 30°C
	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 HDC 8048 Primer 2 coats : Nippon Paint HDC PUD Finish	1 coat: Nippon Paint ZF-Z9010 Floor Primer 2 coats: Nippon Paint PUD Floor Finish
Solid Content	41.17% by volume	
Specific Gravity	1.20 - 1.30 at 25°C	
Packing	20 kg	
Storage	Store in a tightly sealed container in a cool and dry place	
Shelf Life	36 months when stored in tightly sealed containers below 35°C	
Precaution	Do not mix thinner for dilution. When apply ensure adequate ventilation during use Avoid undue contact with skin. All equipments should be cleaned with water immediately after use	

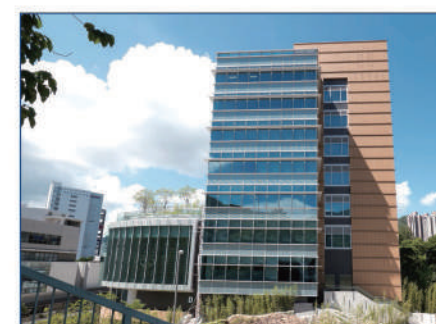
Job References



Kai Tak Cruise Terminal



Cathay Pacific Cargo Terminal



Hang Seng Management College



Maxim's Food Production Centre



King George V School