

Nano Pollutant Adsorbent Paints

BENEFITS: Outstanding adhesion, high anti-corrosive (1000 to 4500 hours of salt spray), thermally conducting, Pollutant adsorbent (SOX,NOX,COX), resistance to weathering (UV, Fungus, water etc.) and blistering, impact & scratch resistant, high thermal stability, low VOC, high coverage area with a desirable ease of application. Robust performance due to patented porous honeycomb pollutant adsorbent nano-structure incorporated in the paint matrix.

APPLICATION: One coat primer and one coat finish. Use spray or brush for application.

SURFACES: Mild Steel, CI, DI, Aluminium, SS, plaster surfaces

PRACTICAL COVERAGE: 120-140 square feet per kg approx.

TYPES: Epoxy/ Alkyd based.

USAGE: Exhaust Pipes, Road tunnels where pollution level is very high.

DATA SHEET

Sl. No	Properties	Alkyd Base	Epoxy Base
1	Type	Alkyd based air drying one pack system	Epoxy based air drying two pack system 2:1
2	Viscosity	45" @23°C	150" @23°C
3	Sp. Gravity	0.97	1.30
4	% of solid contain by volume	39%	66.5%
5	Pot life	1 year	18hrs
7	Hot pot stability	Pass IS	Pass IS
8	Flash point	Above 38°C	Pass IS
9	Method of application	Brush/Spray	Brush/Spray
10	Application temperature	10-50°C	10-50°C
11	Application Viscosity a) Brush b) Spray	As such 25"@30°C	50"@30°C 30"@30°C
12	Dry film thickness a) Brush b) Spray	25µ 30 µ	30µ 35-40 µ
13	Coverage a) Brush b) Spray	110 sq ft/lt 100 sq ft/lt	140 sq ft/lt 130 sq ft/lt
14	Drying Time • Surface Dry • Tack Dry • Hard Dry	2 hrs 1 day 3 days	1 hr 3-4 hrs 3 days
15	Minimum recoat time	1 day	6 hrs
16	Temperature resistance	150°C	150°C+
17	Salt Spray	1000+ hrs	1000 +hrs
18	Humidity	1000+hrs	1000+hrs
19	UV Stability	400+ hrs	400+ hrs

Innovation Center for Applied Nanotechnology - I-CanNano™

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20	Gloss	Matt	Semi gloss
21	Scratch Resistance	3 kg +	3 kg +
22	Impact Resistance <ul style="list-style-type: none">• Direct• Indirect	20J+ 20J+	20J+ 20J+
23	Acid Resistance	Passed IS+	Passed IS+
24	Alkali Resistance	Passed IS+	Passed IS+

Disclaimer

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