I-CanNano™

Nano Electrically Insulating Paints

BENEFITS: Outstanding adhesion, high anti-corrosive (1000 to 4500 hours of salt spray), electrically insulating (5000 V insulation strength), fire resistant, 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 inorganic structurally defect-free nano-particles, 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 surfaces

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

TYPES: Epoxy/ Alkyd based.

USAGE: Electrical panels, enclosures, housings etc. for safety & fire resistance.

DATA SHEET

Sl. No	Properties	Result
1	Type	Epoxy based stove drying two pack system
2	Mixed Ratio	2:1
3	Viscosity	31" @23°C
4	Sp. Gravity	1.5
5	% of solid contain by volume	76%
6	Pot life	24hrs
7	Hot pot stability	Pass IS
8	Flash point	Pass IS
9	Method of application	Brush/Spray
10	Application temperature	10-50°C
11	Application Viscosity a) Brush b) Spray	 50"@30°C 30"@30°C
12	Dry film thickness a) Brush b) Spray	 35µ 35-40 µ
13	Coverage a) Brush b) Spray	 140 sq ft/lt 130 sq ft/lt
14	Drying Time • Surface Dry • Tack Dry • Hard Dry	Stoving @ 125^0 C for 20'
15	Minimum recoat time	1 hr after stoving
16	Temperature resistance	150°C for 3 hrs
17	Salt Spray	1000+ hrs
18	Humidity	100+hrs
19	UV Stability	400+ hrs
20	Gloss	Semi gloss

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21	Scratch Resistance	3 kg +
22	Impact Resistance • Direct • Indirect	 20J+ 20J+
23	Acid Resistance	Passed IS+
24	Alkali Resistance	Passed IS+
25	Electrical Insulation Strength	Upto 5000 V

Disclaimer

The information on this leaflet is based on the current status of technical development as well as our experience with the product. However, given the variety of surfaces and ambient conditions, the information provided on this data sheet shall in no way diminish the responsibility of the user to ensure with due care, that our product is suited for the intended purpose, surface and application conditions. Since application and processing lie outside our purview, no manufacturer liability shall be derived from the information provided herein. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose. Our General Terms and Conditions of business shall apply in all cases. All information is subject to change without notice.

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