

Nano Thermally Insulating Paints

DESCRIPTION: Nanotechnology based thermally insulating anti-corrosive paints of finest quality, durable, UV resistant, high scratch/ impact resistant, bacteria resistant, thermally stable, primer & finish for a wide variety of metallic surfaces.

BENEFITS: Outstanding adhesion, high anti-corrosive, 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.

TYPE: Alkyd base Nano thermally insulating paint

COLORS AVAILABLE: Variety of Colors available.

PRACTICAL COVERAGE: 120-140 square feet per kg, depending on the porosity of the substrate.

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

SURFACE PREPARATION: Surface must be clean, dry, and free of wax, grease, oil, loose or peeling paint, and other foreign material. Use emery paper to remove rusts, if any. Use special thinner to remove rusts completely.

NEW WORK: For maximum durability, apply one coat Primer. On new metallic surface, use one coat nano primer & one coat finish.

REFINISH WORK: Follow conditions listed above. Previously painted, glossy surfaces should be lightly sanded and use special thinner to remove rusts completely. Use I-Can nano primer and allow all primers to dry thoroughly before applying finish coats.

SURFACE TEMPERATURE: For best results, ambient temperature would be preferred. Avoid frost, fog, or damp conditions.

APPLICATION: Stir well before using. Use spray or brush for application.

THINNING: Formulated for use at package consistency. Thinning is required for brush/spray application. Use only special thinner and as per technical data sheet.

DRYING TIME: Stove drying at 200 Deg C temperature for 20 mins.

Innovation Center for Applied Nanotechnology - I-CanNano™

India: 22A Hemchandra Mukherjee Road, Barisha, Kolkata -700 008. Ph.: +91 33 64520110; e-mail: info@ican-nano.com

UK: ICAN Paint Europe (Nano) Limited, Finsgate 5-7 Cranwood Street, London EC1V 9EE. Ph.+44 (0) 20 7251 3761, Fax:+44(0) 20 7566 0023; e-mail: icanpainteurope@ican-nano.com

URL www.ican-nano.com

Low
VOC

DATA SHEET

I-CanNano™

| | |
|---|--|
| Type | Alkyd based stove drying one pack system |
| Viscosity | High |
| Sp. Gravity | 1.26 |
| % of solid contain by volume | 40% |
| Pot life | 30 days |
| Hot pot stability | Pass IS+ |
| Flash point | Pass IS+ |
| Method of application | Brush |
| Application temperature | 10-50°C |
| Application Viscosity a) Brush b) Spray | 60" @30°C 30" @30°C |
| Dry film thickness a) Brush b) Spray | 30μ 35-40 μ |
| Coverage a) Brush b) Spray | 140 sq ft/lt 120 sq ft/lt |
| Drying Time (Stoving at 200 Deg C) | 20 mins. |
| Minimum recoat time | 8 hrs |
| Temperature resistance | 150°C+ |
| Salt Spray | 1000+ hrs |
| Humidity | 1000+hrs |
| UV Stability | 400+ hrs |
| Gloss | Matt gloss |
| Scratch Resistance | 3 kg+ |
| Impact Resistance • Direct • Indirect | 20J+ 20J+ |
| Acid Resistance | Passed IS + |
| Alkali Resistance | Passed IS + |

CLEAN UP: Clean application equipment with solvent.

STORAGE: Store in cool & dry place.

PACKING: 0.5/1/2/5/10 kg

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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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