

## Nano Water Base Paints - exterior, interior

**DESCRIPTION:** Nanotechnology based Nano Water base paints of finest quality, durable, water repellent, UV resistant, fungus/ algae/ bacteria resistant, thermally insulating, elastomeric, anti-sticking, primer & finish for a wide variety of exterior and interior surfaces.

**BENEFITS:** Outstanding adhesion - gets embedded in the surface (not a film like), high resistance to weathering (UV, Fungus, water etc.) and blistering, low VOC, high coverage area with a desirable ease of application. Additional features elastomeric (stretchable paint that cover cracks) and anti-sticking. Produces an all season and breathable type finish. Robust performance due to inorganic structurally defect-free nano-particles, incorporated in the paint matrix.

**FINISH/USAGE:** Interior / Exterior

**TYPE:** Nano Water base Paint

**COLORS AVAILABLE:** Color of base is white. The base material may be tinted with universal colorants to a full range of custom colors. I-CanNano has 136 color shades and also metallic finish.

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

**LIMITATIONS:** Not recommended for floors or decks.

**SURFACES:** Interior plaster, drywall, concrete and masonry. Exterior hardboard siding, gypsum board, concrete, and masonry.

**SURFACE PREPARATION:** Surface must be clean, dry, and free of wax, grease, oil, loose or peeling paint, and other foreign material. Repair cracks and other holes with I-CanNano water base nano wall putty for best results. Spot prime all patch work with I-CanNano nano primer. Glossy, glazed or dense surfaces must be dulled.

**NEW WORK:** For maximum durability for exterior application, prime new plaster, drywall, hardboard siding and masonry, with I-CanNano Primer and for interior application use I-CanNano water base nano wall putty & prime. Porous block should be filled with I-CanNano water base nano wall putty and primed if a smooth surface is required. On new drywall, use one coat nano primer on nano wall putty & 2 coat finish.

**REFINISH WORK:** Follow conditions listed above. Previously painted, glossy surfaces should be lightly sanded. Fill cracks with I-CanNano water base nano wall putty for best result. Spot prime all patched areas with water base nano primer. Allow all primers to dry thoroughly before applying finish coats. Chalky surfaces should be thoroughly washed.

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

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

**THINNING:** Formulated for use at package consistency. Thinning is required for brush/roller application. Use only clean water and approximately *300ml of water per kg*.

**DRYING TIME:** Dries naturally dust free in 4 hours. Recoat after 4 hours. Drying time is variable depending on temperature and humidity.

Innovation Center for Applied Nanotechnology - I-CanNano™

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## DATA SHEET

Product Code	I-Can™ WPNI-101	I-Can™ WPNE-201	I-Can™ WFMI-301	I-Can™ WFME-401	I-Can™ WFGI-501	I-Can™ WFGE-601	I-Can™ WFE-701	I-Can™ WFAS-801
Type	Water base thinnable primer For interior	Water base thinnable primer For exterior	Water base thinnable finish For interior	Water base thinnable finish For exterior	Water base thinnable glossy finish for interior	Water base thinnable glossy finish for exterior	Water base thinnable elastomeric finish for exterior/interior	Water base thinnable anti-sticking finish for exterior/interior
Thinning Ratio	100:30	100:30	100:30	100:30	100:30	100:30	100:30	100:30
Viscosity by stormer	82 KV at 25°C	82 KV at 25°C	106 KV at 25°C	90 KV at 25°C	73KV at 25°C	77KV at 25°C	77KV at 25°C	73KV at 25°C
Sp. Gravity	1.3 at 25°C	1.3 at 25°C	1.31 at 25°C	1.31 at 25°C	1.15 at 25°C	1.15 at 25°C	1.15 at 25°C	1.15 at 25°C
Method of application	Brush/Roller	Brush/Roller	Brush/Roller	Brush/Roller	Brush/Roller	Brush/Roller	Brush/Roller	Brush/Roller
Application temperature	Room temperature	Room temperature	Room temperature	Room temperature	Room temperature	Room temperature	Room temperature	Room temperature
Application Viscosity	20"	20"	20"	20"	20"	20"	20"	20"
Coverage Area	80-100 sqft/kg	80 -100sqft/kg	120-140sqft/kg	120-140sqft/kg	120-140sqft/kg	120-140sqft/kg	120-140sqft/kg	120-140sqft/kg
Drying Time • Surface Dry	4 hrs	4 hrs	4 hrs	4 hrs	4 hrs	4 hrs	4 hrs	4 hrs
Minimum recoat time	4 hrs	4 hrs	4 hrs	4 hrs	4 hrs	4 hrs	4 hrs	4 hrs
Brushability	OK	OK	OK	OK	OK	OK	OK	OK
Flow Leveling	OK	OK	OK	OK	OK	OK	OK	OK
Opacity	OK	OK	OK	OK	OK	OK	OK	OK
UV Stability	300 hrs+	300 hrs+	300 hrs+	300 hrs+	300 hrs+	300 hrs+	300 hrs+	300 hrs+
Gloss	Matt	Matt	Matt	Matt	Glossy	Glossy	Glossy	Glossy
Alkali Resistance a)NH <sub>4</sub> OH vapour b)10% NaOH solution	Passed IS+ Passed IS+	Passed IS+ Passed IS+	Passed IS+ Passed IS+	Passed IS+ Passed IS+	Passed IS+ Passed IS+	Passed IS+ Passed IS+	Passed IS+ Passed IS+	Passed IS+ Passed IS+

**CLEAN UP:** Clean application equipment with soap and water.

**STORAGE:** Store in cool & dry place.

**PACKING:** 1/4/10/20 kg

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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