

Acrylic, environmentally friendly, water-based paint for building facades, new and old mineral surfaces, and restoration of buildings.

Manufacturer	NanoPaint Ltd	
Product code	10310	
Product Description	Acrylic, environmentally friendly, water-based paint for building facades, new and old mineral surfaces, and restoration of buildings. Suitable for humid areas that sensitive for mold and fungi formation like sterile rooms, SPA, milk dairies and food industry.	
Key Advantages	<p>Water based single-pack, for direct painting on walls infected by mold, environmentally friendly and does not contain toxins, no flammable fumes, extremely adhesive, prevents the development of mold, bacteria and fungi, UV resistant.</p> <p>The paint is compliant with Japanese regulations for hospital anti-bacterial paint JIS Z 2801 (2012) and has successfully completed the efficiency test as an anti-bacterial paint according to ISO 22196. (See test certificate of Milouda labs/MERIEUX NUTRISCIENCES)</p> <p>Easy to implement and use, tools are washed in water only.</p> <p>The paint contains special resins that contribute to better adhesion on all types of surfaces.</p> <p>Used as primer and topcoat paint simultaneously. Durable in home, industry or marine environment.</p> <p>Dries especially fast. Suitable for direct painting onto surface, ready to use.</p> <p>Suitable for painting indoors (in closed spaces does not let out odor or toxic fumes).</p> <p>Has an excellent anti-bacterial resistance and good exterior durability.</p> <p>The paint does not contain toxins, based on natural ingredients and has hydrophobic traits.</p>	
Range of Use	Intended for building facades protection, new and old mineral surfaces, and restoration of buildings. Suitable for humid areas that sensitive for mold and fungi formation like sterile rooms, SPA, milk dairies and food industry.	
Technical Data	Shade	As per RAL shades and pre-ordering
	Finish	Matt
	Percent solids per volume	45-52%
	Film thickness per layer	40-60 micron
	By painting "wet on wet" in 15 minutes intervals the final thickness can reach up to 100 microns	
Coverage calculated per layer* 7-12 sqm/l depending on layer thickness and surface absorption		
Recommended Dilution	May be diluted in water only and up to 10%	
Drying time	Drying time for contact	15-30 minutes
	Recommended wait time between layers	1-3 hours
	Final drying time	7 days
	Drying for transport	After approx. two hours
	Shelf life	24 months as per storage instructions
Area and Paint System Preparation	High pressure water jet, removing any foreign matter, mold and fungi for maximum protection,	
Paint System	Gray, red, green, white, yellow and a large number of RAL shades according to purchase order. Finish matt.	

Recommended Method of Painting: Surface Painting

1. Important to ensure: Nanopaint paint system is water based and is very sensitive to solvents and thinners do not mix the paint with another paint system.
 2. After preparing the surface slowly mix the paint thoroughly using a blade mixer or by hand, until liquids and solids are fully homogenous.
 3. If required, paint can be diluted using tap water up to 10% only.
 4. Paint the first layer between 40-60 micron thick when dry.
 5. Paint a total of up to 3 layers, leaving 1-3 hours between layers based on room temperature, humidity conditions and surface absorption.
- Maximum uniformity is achieved when using a spray process.
 - Good results using a brush will be seen mostly on smooth and polished surfaces.

General Comments

1. The paint is packaged in plastic containers only.
2. The paint is available in various shades.
3. Best to use the paint within 18 months of manufacturing date.
4. Paint is ready to use, may be diluted as needed.
5. The paint is water based and must be stored in a shaded area. Recommended storage temperature is between 5-40 degrees Celsius.
6. Mix well before use either by hand or by using a mixer at low speed in order to avoid foaming and air bubbles.
7. If foaming and air bubbles occur wait approx. 15 minutes before use.
8. If using the paint with a sprayer pour the paint slowly onto the sprayer sidewall in order to avoid foam.
9. Drying time for contact and between layers: between 1-3 hours. Final drying: 7 days.

Storage

Store in a shady place at a temperature between 5-40 degrees Celsius.

Tools to be used with Nanopaint



Airless Spray minimal pressure of 4 atmospheres



Professional and high-quality spray paint gun (preferably one used to paint cars), use 1.6-1.7 mm nozzle.



Standard roller or brush



Professional tool for mixing paint or a handle that fits onto a screwdriver with rotation control (blade handle not spiral)



Soap suitable for removing oils and solvents and other dirt for proper surface preparation.

Precautions

- ✓ Implementation and use of the product must be in accordance with safety, hygiene and environment regulations in Israel.
- ✓ Do not eat. Ensure proper ventilation of the working area. When spraying- do not inhale or swallow the paint.
- ✓ Use proper protection gear, see safety sheet.
- ✓ **Keep away from children's reach.**

