

SUPER-HYDROPHOBIC INSULATED NANOPAINT



**SPECTRUM
NANOTECH**
SOLUTIONS FOR A MODERN WORLD

PRODUCT DESCRIPTION:

This state-of-the-art nano-paint is a single pigmented component that dries at ambient temperature. Suitable for mortar facades, single skin block concrete and mineral surfaces in general, without the need for primers or fasteners. The product comes with thermal insulation materials of latest generation designed to improve the efficiency of a building.

PROPERTIES:

- Durability up to **20 years**.
- Available in all RAL colours.
- Interior and Exterior protection of homes and buildings is guaranteed.
- Easy to apply with roller, brush and eco static spray application.
- Water-based formulation with last generation materials.
- No need for previous applications such as fasteners or primers.
- Adhesion in mortars, monolayer and surfaces of all kinds with **three-dimensional penetration**.
- **Lotus Effect Properties:** Super-hydrophobicity.



Lotus Effect Properties



- **Breathable product** that repels dirt, water and moisture.
- **Self-cleaning properties** in wet weather giving pristine surface finish with a water contact angle of 140 degrees.
- Maintain its clean appearance for longer.
- **Insulating properties.**
- Energy efficiency of the building improved by 10% to 12%.
- Insulation increases with number of layers applied.
- Resistant to condensation and temperature changes.
- **Respects the environment**, because of its quality and material formulation.

APPLICATION:

In case of poor conditions surfaces, it is recommended to first improve all affected areas by removing all materials that is not attached to make the sanitation process easier. Clean any dirt and dust you may have with water and neutral pH detergents, as needed. The surfaces need to be clean and dry, without the need for fasteners.

Apply with the use of paint rollers, brushes or eco static gun spray, starting from the bottom up to prevent pre-impregnation of the product on the surface. By starting from the top, the coating will run down the surface and there could be an uneven impregnation, which will make it difficult to create an even surface. It is recommended to apply at least two undiluted layers, in order to maintain the good properties of the product. Greater layers will give more coverage and therefore more insulation.

*The ideal temperature range for the application is 5 to 27°C, in a dry environment.
If you need to re-apply, let the surface dry for a day.*

DRYING:

Please note that environmental conditions always influence the drying of paints.

Touch-Dry: 15 / 30 Min (23°C)

Full Dry: 24 hours (23°C)

STORAGE:

Minimum 1 year in original container, closed in dry conditions of ambient temperature.

After this period, rigorous agitation or filtering is required.

Always store in plastic containers. Maintain in temperatures between **5 and 35° C.**

DELIVERY FORM:

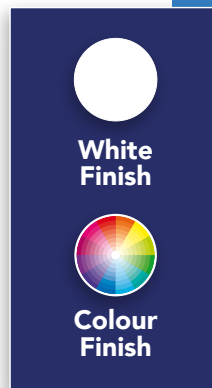
Single units in **25Kg** plastic barrels.

COLOUR:

White / RAL colours on request.

ASPECT:

Creamy Liquid.



TECHNICAL INFORMATION:

 **Binding type:** Water-based polyserial.

 **Density:** 1.6 gr/cm³ to 25°C.

 **Breathability:** > 90%

 **Water contact angle:** 140°

 **Performance:** 7m²/Kg

 **Complies with EU directives:**

1907 / 2006 / EC (REACH) and

2011 / 65 / EC (RoHS).



THERMAL INSULATION – HEAT FLOW DATA ACCORDING TO LIGHT 60:

	Temperature	Improvement of °C
Without Insulation	44.9°C	0.0°C
Thick Layer	40.9°C	4.0°C



**DOES NOT CONTAIN
HARMFUL MATERIALS**



**RESPECT THE
ENVIRONMENT**



**DOES NOT CONTAIN
SOLVENTS**

For more information or personalized attention, please contact our professional team via email: info@spectrum-nanotech.com or via phone : +44 (0)203 916 5458