

## Project:

High quality water based floor paint for domestic interior and exterior concrete surfaces

## Product:

SurfaPaint Floor Paint

## Benefits:

- Excellent adhesion to concrete, slabs, pavement.
- Easy to use, single component (1K)
- Water based with low VOC
- Fast drying
- Recoatable within 120min
- Resistant to stains

## Applications:

Domestic concrete surfaces with low vehicle traffic, such as floors, patios, pathways and garages.

## Colour:

- White
- Grey

## Packaging:

3L, 10L and 18L Plastic Pails

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## SurfaPaint Floor Paint

### High quality water based floor paint for interior and exterior concrete surfaces

Concrete flooring, such as pavements, patios, garage floors or parking lots require coating protection. Traditional solutions such as polyurethane or epoxy coatings require special mixing/application skills, extensive labour time and they are not easily repairable. Moreover, such systems are flammable and hazardous. Unlike traditional options, SurfaPaint Floor Paint offers an easy, safe, fast and long lasting solution to coating of floors. It was developed to address the needs for easy application, stain resistance and solid adhesion, on concrete floors. SurfaPaint Floor Paint combines the comfort and hassle-free application of exterior acrylic paints with the endurance of traditional coating systems. Additionally, it provides a solution to a common problem: horizontal coatings are prominent to staining by water or oil-based stains (fuel, engine oil, grease, tire streaks). SurfaPaint Floor Paint prevents stain absorption from its resilient coating. All-in-all, SurfaPaint Floor Paint is ideal for interior or exterior use on concrete surfaces as it has excellent wear, impact and abrasion resistance, in mild pedestrian or low vehicle traffic conditions. It resists chemicals and standing water and has long lasting damage resistance. Applicable for protection against UV and weather wearing, as well as hot tyres and chemicals.

SurfaPaint® logos are registered trademarks of:  
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Nanotechnology 

## SurfaPaint Floor Paint Description

SurfaPaint Floor Paint applicability, durability and stain resistance is based on the binding resin which combines the excellent physical resistance properties of polyurethanes with the binding and wetting properties of acrylic emulsions. Upon application, the physical curing process yields a tough, resilient film. The end-result combines unique functionality by an easy to clean, tough and wearing resistant coating. Ultimately, SurfaPaint Floor coating remains clean from greases, oils and chemicals preserving the original aesthetic integrity of the applied surface. Durability of the coating permits mild pedestrian and low vehicle traffic. The final appearance is white satin or grey and sheen level depends on the substrate finish/profile.

### International Standards Testing

**Viscosity at 25°C (ASTM D562-10):** 135±5 KU

**Adhesion (ISO 2409:2007):** Excellent (Cross-cut test result 0)

**Stain Resistance:** Class V (no staining of grease, oil and household stains)

**Weathering Resistance:** Passes the 1500h QUV-B weathering test

**Density (ISO 2811-1):** 1.26±0.05 g/cm<sup>3</sup>



**Applicability:** SurfaPaint Floor Paint can be applied directly on concrete surfaces such as floors, patios, driveways, pathways and garages. New cement substrates should have cured for more than 4 weeks before application. Adverse environmental conditions and/or humidity (>80%RH) during or immediately after application may affect the coating's performance or drying properties. **Preparation:** Ensure all surfaces are clean and dry prior to application. Remove any dust and dirt. **Application note:** Stir thoroughly with a flat paddle until homogeneous and occasionally during use. Application temperature should be between 10 - 40 °C and the relative humidity should be between 10% - 80% RH. Dilute paint up to 20% with water to use it as a primer. Apply 2 coats diluted up to 5% with water using a good quality brush, roller or by airless spraying. **Spreading Rate:** 10 m<sup>2</sup>/L at 45 µm. **Drying Time:** Touch dry: 30 min at 25°C, Overcoating: 2h at 25°C, Pedestrian traffic: 16h at 25°C, Vehicle traffic: 72h at 25°C. Low temperatures and high humidity will lengthen drying times. **Cleaning of tools:** All tools and equipment should be cleaned immediately after use with water. **Storage:** Store in a cool, dry, well-ventilated area away from heat and direct sunlight. Carefully reseal partly used containers. Protect from frost. To avoid risk of spillage, always store and transport in a secure and upright position. The shelf life of the product in airtight containers is 24 months post production date. Dispose of empty container responsibly and according to local legislation. **Safety:** Keep out of reach of children. Avoid breathing dust / fume / gas / mist / vapours / spray. Use only outdoors or in a well-ventilated area. If swallowed: Immediately call a poison center or doctor/physician. Do not use empty container for storing food. Avoid contact with skin and eyes. After contact with skin wash immediately with soap and water. Do not use solvent thinners. In case of contact with eyes, rinse immediately with plenty of water and if necessary seek medical advice. **VOC (Volatile Organic Compounds):** Maximum EU VOC content limit value (Directive 2004/42/CE) of the product in a ready to use condition (category A/i "one-pack performance coatings", Type WB): 140 g/L (2010). **Maximum VOC content of this product is 82 g/L.**

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## What is Nanotechnology?

Nanotechnology refers to the scientific field, which deals with the research and creation of small matter particles, usually sized below 100 nm. One nanometer (nm) is one billionth of a meter (10<sup>-9</sup> m) - it is so small that if earth were one meter in diameter, then one nanometer would have been the size of an apple! Nanosized materials reveal unique properties when compared to ordinary, bulk materials or even molecules.

## NanoPhos at a Glance...

At NanoPhos, we take advantage of the unique properties of nanotechnology and invent clever materials that solve every day problems. By harnessing nanotechnology, we seek to create a more comfortable, safe and trouble-free living environment. We transfer innovations out of our lab and into the hands of consumers. Our vision is clear: "Tune the nanoworld to serve the macroworld" – in simple terms we make nanoparticles solve common problems. NanoPhos was recognized in January 2008 by Bill Gates as one of the most innovative companies and also received the 1<sup>st</sup> prize for innovation at the prestigious 100% Detail Show in London. NanoPhos is a rapidly growing company that is actively expanding its distribution network. Currently, the company is present in the UK, Norway, Sweden, Denmark, Portugal, Spain, France, Italy, Greece, Cyprus, Egypt, Sudan, Saudi Arabia, Bahrain, UAE, Qatar, Oman, Iran, India, New Zealand, China, Japan, Mexico, Guatemala, Thailand, Malaysia and Singapore.

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NanoPhos SA has been approved by Lloyd's Register Quality Assurance to follow the EN ISO 9001:2000 Quality Management System and the environmental management system EN ISO 14001:2004 for the development, production and sales of chemical products for cleaning and protection of surfaces and nanotechnology products. Furthermore, it is certified for occupational health and safety management systems with OHSAS 18001:2007.

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