



NawKote-PC

NawKote-PC is a coating system designed to give self-cleaning properties to exterior surfaces. It uses a unique formulation of high quality, photocatalytically active TiO₂ nanoparticles to achieve a long-lasting protective barrier. Using only sunlight and water, it shields surfaces from the harmful effects of environmental pollutants, while removing these contaminants from the air.

Our coating system is invisible and can be applied to concrete, even when the surface has been painted or stained. Treated surfaces carry no electric charge and therefore reduce the absorption of dust. Sunlight activates NawKote-PC, causing air-borne pollutants, viruses, bacteria, mold, VOC's, CFC's, allergens and smog to decompose.

NawKote-PC prevents carbonation of concrete. Concrete that undergoes carbonation suffers from erosion and increased water ingress, which leads to corrosion of its steel reinforcement. NawKote-PC will extend the overall life of the structure without the use of harmful chemicals.

Typical Specifications:

- **Accelerated Carbonation Neutralization coefficient:** 0mm/t² (JIS A1152)
- **Decomposition of NO_x:** 0.7392 mmol/m² (JIS R1701-1:2004; 8h)
- **Permanent Graffiti Barrier APAS1441:** pass
- **VOC:** 0 g/L (SCAQMDR 1168)
- **Water Permeability:** 0.2 mL (JIS A6909)
- **UV Resistant & Weather Resistant**
- **Application Temperature:** 41°-110°F (5°-43°C)
- **Dry Time for Reapplication (if required):** 20 minutes
- **Shelf-Life:** 12 months in factory sealed container

Product Properties

- Self-cleaning
- Prevents carbonation
- Nontoxic
- Water-based
- Solvent-free
- Antibacterial
- Anti-mold
- Zero VOC
- Water washup

Color Selection

NawKote-PC is colorless and used as a coating system designed to give self-cleaning properties to exterior surfaces.

Surface Preparation

Prior to application ensure that substrate is clean, dry and free of dust. Remove loose and unstable material as a sound surface is required for external applications. Be sure to check for any presence of mold release residue from concrete forms. If present, remove according to manufacturer's guidelines.

Substrates that have been treated with acid/chemical wash must be neutralized prior to application.

Alkali or efflorescence should be treated with proper neutralizing compounds as recommended by manufacturers before application can begin.

Application

NawKote-PC is a two coat system applied by HVLP or airless spray equipment. The minimum of two successive mist applications per each of two coats are required at 90° orientation. Excess product should not be applied.

Limitations

Avoid spraying in high wind or on wet surfaces and when rain is expected within 2 hours of application.

Coverage

Approximately 15-24 sq ft/lb (10-16m²/kg). Actual area covered depends on the porosity of the substrate and the application method(s) used.

Cleaning of Application Equipment

Cleanup of equipment with water should be completed before the products have been allowed to dry. Spills or overspray should be cleaned with water and not allowed to dry.

The User of the product assumes all liability for product's use except in situations involving a manufacture's defect. This technical information is offered as advice based on knowledge and practical experience and does not constitute a warranty. Before application, the User shall determine the suitability of the product for its intended use. User should also ensure that the product is thoroughly mixed prior to application as the product may have settled during shipment or storage. Furthermore, it is recommended that the User test the product on a sample area before use. Nawkaw retains the right to make modifications as part of the product's development or improvement of their application; it is the User's duty to ensure they are aware of any such changes. This edition supersedes all earlier editions.

Safety

- Protect eyes and skin from contact with NawKote-PC components.
- Do not swallow.
- Keep away from children.

**NOTE:**

See manufacturer's SDS sheet:
www.Nawkaw.com/downloads