NawTone®-K+Plus

Technical Data Sheet

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NawTone®-K+Plus

NawTone-K+Plus is a mineral stain that uses silicate as binding agent to form a permanent chemical bond with substrates and comes with a built-in water repellent. The addition of lightfast, inorganic pigments enables a wide range of colors to be produced.

Characteristics:

UV RESISTANT	**WATER REPELLENT**	**WEATHER RESISTANT**
LIGHTFAST	**ECO-FRIENDLY**	**MOLD & MILDEW RESISTANT**
PENETRATING	**ODORLESS**	**DURABLE**

NawTone-K+Plus can be diluted with **NawThinz-C** for concrete surfaces or with **NawThinz-M** for masonry surfaces to create color-wash, semi-transparent, or opaque finishes. Our customized application techniques make **NawTone-K+Plus** a superior choice for new construction, renovation, restoration, and preservation.

Because **NawTone-K+Plus** chemically binds with concrete, it is ideal for use on precast and tilt-up projects. **NawTone-K+Plus** offers consistent color solutions for complete color changes, decorative applications, and solving color problems. This product is also very effective for blending away color variations that naturally occur in the manufacture of concrete. This includes correcting unsightly or mismatching patch repairs as well as skim coat finishes.

Environmental & Safety Concerns
NawTone-K+Plus is water-based, nonflammable, nonhazardous and has **zero VOC** content. Use of this product may help your projects qualify L.E.E.D credits.

Typical Specifications:

- **Viscosity:** (72° F) 60°-80° KU
- **pH:** ~11
- **Finish:** flat
- **Nonflammable**
- **VOC:** (ASTM D6886) 0 g/L
- **Abrasion Resistance:** excellent
- **Water Vapor Permeance:** $4.5x10^{-6}$ g/Pa s m^2
- **Water Diffusion Resistance:** s_d (H_2O)<0.01 m
- **UV Resistant–Accelerated Weathering:** (ASTM G154) pass
- **Application Temperature:** 41° - 110°F(5°- 43°C)
- **Dry Time for Reapplication (if required):** 12 hrs concrete / 24 hrs masonry
- **Shelf Life:** 12 months in factory sealed container

Product Properties

- Penetrating
- Nonflammable
- Nontoxic
- Water-based
- Solvent-free
- Vapor-permeable
- Non-film-forming
- Zero VOC
- Water washup
- Water repellent

Color Selection

Nawkaw stains allow you the freedom to choose the colors you want from any color specifiers or actual samples.

Create all levels of color, from completely opaque to just a hint of color.

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

NawTone-K+Plus can be applied by brush, roller, sponge and spray equipment. The product should be thoroughly mixed by stirring before use. The choice of application technique depends on the desired color and finish one wishes to achieve. For translucent finishes, **NawTone-K+Plus** will be customized depending on the level of translucency required for the project. This may invovle varying the number of applications required. Opaque finishes may require 2 or 3 applications. When **NawTone-K+Plus** has been diluted with **NawThinz**, be sure to keep it well stirred. ONLY DILUTE WITH **NAWTHINZ**. It is important to maintain a wet edge at all times, and work to a natural break line.

Limitations

Not suitable for application on synthetic surfaces such as silicone, urethane, epoxy or plastic. This coating cures to a hard finish and is not recommended for use on caulking joints.

Coverage

Approximately 200-400 sq ft/gal (5-10 m^2/l). 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 NawTone-K+Plus.
- Do not swallow.
- Keep away from children.

NOTE:
See manufacturer's SDS sheet:
www.nawkaw.com/nawtone-kplus