



NEWLOOK

NewLook International, Inc. NanoShield™

Technical Information Sheet

NanoShield™

NewLook NanoShield™ is a blend of inorganic polymer materials that penetrates slab concrete to increase surface density and hardness. Utilizing a proprietary and “green” manufacturing process, NanoShield’s unique formulation of uniform, concentrated, Nano sized particles, suspended in an ultra low surface tension liquid, penetrates deeply into concrete surfaces bonding with the cement components of the slab. NanoShield makes an extremely hard, dense floor surface that has increased wear resistance to foot and fork lift traffic. It is water-based and environmentally friendly and VOC compliant in all US states.

USES AND BENEFITS

- Fills porosity/capillaries of concrete creating a permanent bond that makes floors and walls harder, less prone to dusting and absorption of most liquids
- Resists penetration of many liquids including oils and many chemicals
- Helps minimize many rubber tire marks in warehouse applications
- Application equipment may be cleaned with water
- Will not discolor or blush over time
- Not affected by bond breaker systems when used as directed
- Will not leave a white cast on floor if over used or not removed
- Reduces operating costs by increased ease of maintenance and cleaning
- Meets all VOC regulations including California
- Meets LEED Qualifying standards

PRIMARY APPLICATIONS

- Interior or exterior concrete
- Warehouses/Distribution center floors
- Manufacturing plants
- Medical and Research
- Residential garages and floors
- Commercial floors

PERFORMANCE ADVANTAGES

- Lower PH improves reactivity and stability of materials
- Low viscosity and smaller molecule size provides deeper and more complete penetration
- Will not peel
- Reduces dusting
- Can be applied to newly troweled green slabs

PREPARATION

NewLook NanoShield has two primary methods of application. The first method is designed for application while the slab is still green just after final trowel. The second is designed for use with existing or cured concrete.

NEW CONCRETE (GREEN)

NewLook NanoShield may be applied to newly installed concrete after final trowel while slab is still Green. Slab must be clean and free of all materials such as curing compounds, bond breakers, form release oils or construction dust and debris, etc. Use a low-pressure sprayer to achieve a consistent, even application and to ensure consistent coverage of the surface. Re-apply as necessary to keep surface wet for 20 minutes. Let surface dry. No cleaning, flooding, neutralizing or rinsing is necessary. If curing agent is to be used, it can be applied over dried NanoShield.

EXISTING, CURED CONCRETE

NewLook NanoShield may be applied to concrete of any age. Surface must be clean and structurally sound. Surface also must be clear of membrane forming curing compounds, sealers, oils, dust and other surface contaminants. For best results use NewLook NanoCleaner. If more aggressive surface preparation is needed to remove surface contaminants, 60-100 grit sanding screens can be used. A thorough cleaning is needed after additional scrubbing Diamond grinding/ polishing to an 800 grit finish with NewLook NanoShield, will provide the most durable and stain resistant floor surface. Use a low-pressure sprayer to apply NanoShield to form an even sheen across surface to ensure complete saturation of surface. Apply enough NanoShield to keep the surface wet for 15 to 20 minutes. Let surface dry 1 hour before heavy traffic.

CLEAN-UP

Clean tools and equipment with water immediately after use. Residue from application and clean-up is non-toxic. Protect metals, glass, wood, paint or brick from contact with NewLook NanoShield. If surface is accidentally over sprayed, wash immediately with potable water.

MAINTENANCE

Routine sweeping, mopping and periodic mechanical scrubbing with a neutral pH, non-rinsing cleaner or water is needed. We recommend using NewLook NanoCleaner for all cleaning regimes. Avoid any acidic cleaners. Acidic cleaners may etch the surface over time and cause a dulling of the finish. No aggressive scrubbing brushes such as stroagrit, nylogrit or other aggressive scrubbing brush should be used. Avoid detergents containing hydroxides or sulfates.

WARRANTY

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product, which is proved to be defective. Any claim of defective product must be received in writing within one year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.

NEWLOOK INTERNATIONAL, INC.
PRODUCTS available through: