



# NanoTech Wood & Concrete Sealer

## Technical Data Sheet

### PRODUCT DESCRIPTION

NanoTech is a high performance Water-Based Nano-Polymer Acrylic Sealer which leaves a protective membrane on the wood and concrete surface that both waterproofs and seals. It contains no silicones, waxes, or oils and does not fade, yellow, chip, or peel when applied properly. This coating is created with a new generation of NanoPolymer resin technology that creates a waterbased product that will outperform comparable solvent-based products. This acrylic sealer will have much higher resistance to most chemicals including solvents, gasoline, and brake fluid which would not normally be withstood by conventional acrylics. In addition, an extremely tough acrylic surface is formed that is remarkably blush resistant and has many special qualities. NanoTech penetrates deeply into the pores providing unusual durability and protection. It will also enhance the color of wood, integral colored concrete or exposed aggregate by giving it a "wet glossy" look. Treated surfaces shed water, dirt, soot and chemical contaminants to prevent staining and moisture damage to the matrix. Because of the unusual characteristics of this formulation, it may be used for many different applications.



### PHYSICAL DATA

Finish	Glossy	
Color	Dries Clear	
Odor	N/A	(Very Low)
Solids	26.5% by weight	
VOC:	95.86 g/l	
Total Coats	1 to 5	
Theoretical Coverage	Ft <sup>2</sup> /gallon	
Rolled application	200-400	
Mopped application	400-800	
(Depends on Porosity)		
Dry Time (Depends on Temperature & Humidity):		
Light Traffic	2-3 hours	
Normal Traffic	4-8 hours	
Maximum Hardness	7 days	

### BASIC WOOD FLOOR USES

NanoTech is mopped onto all types of wood floors. It can be sanded and recoated in 30-40 minutes. 4 coats can be applied in one day. A business can apply two coats and open by noon.

The product can be spot maintained with exceptional blending abilities. This is highly unusual and unique to NanoTech. A floor can be touched up anywhere by wiping a thin coat on with a water based foam applicator pad. Feather the edges.

It will bond over most surfaces, even oil based and glossy surfaces. This must be checked by the user beforehand since all surfaces are different and we cannot check every surface. In our tests we have achieved up to 700 psi bond over old glossy epoxy. It also tested well on cured high gloss oil based finishes without sanding first.

### ADVANTAGES

- Protects and weatherproofs Wood Floors exposed aggregate walls and sidewalk areas.
- Dries hard. FAST. Will not attract dirt, airborne dust or grime.
- Reduces moisture entry into wood & concrete surfaces and helps prevent efflorescence.
- Quick drying time. Dry to the touch in 30-40 minutes. Very low, Non offensive Odor.
- Minimizes spalling of exterior concrete due to soft moisture absorbing aggregates or concrete.

## PRODUCT LIMITATIONS

Do not apply to wet or damp surfaces, as this can cause poor bonding or blushing (milky white or frosty appearance). NanoTech is not to be used as concrete curing compound.

Although NanoTech is a clear, non-yellowing film, any clear coating can change the light refraction characteristics of the surface giving the visual effect of a slight color change. Differences in porosity and non-uniformity of application on smooth masonry/concrete might affect the even distribution of NanoTech.

Application will give the colored surface a gloss wet look and will generally deepen the color. It will accentuate color variations or trowel burns. Always coat a test area to determine acceptability and to assure desired aesthetic results.

Some brick, color stuccos, mortars, and cements will bleed color when subjected to a Water-Based coating. On brick and colored masonry surfaces a test area is imperative to determine compatibility and adhesion.

## APPLICATION DATA SUMMARY

See Application Instructions for complete information on surface preparation, equipment, environmental conditions, application procedures, and safety precautions. For conditions outside the specifications or limitations described, contact Earthpaint for details.

## SURFACE PREPARATION

Coating performance is directly related to the quality and degree of surface preparation. Prior to overcoating, all surfaces must be clean, dry, undamaged, and free of all contaminants. For more specific information, consult the surface preparation section of the How To's or consult a professional.

## SAFETY PRECAUTIONS

Read the Material Safety Data sheet carefully before use. Safety precautions in the MSDS should be carefully followed during storage, handling and use. Improper use and handling can be hazardous to health.

Health Precautions: Can cause eye injury. Keep out of eyes, wear gloves and avoid skin contact. Can be a skin irritant. Also, be sure to test for sensitivities to odors. Allow fresh air into area. Wear NIOSH approved Respirator. Keep away from Children. Do not ingest. If irritation occurs contact physician. Emergency contact: Nationwide Poison Center Hotline: 1.800.222.1222

## BASIC CONCRETE USES

NanoTech is widely used on concrete substrates to protect against soiling by airborne contaminants or other materials, which by absorption would cause unsightly substrate discoloration. NanoTech offers surface protection, water repellency, and color enhancement.

Patterned/Stamped Concrete - It is particularly effective on textured patterned concrete surfaces where the irregular texture pattern readily traps dirt and other particles causing discoloration.

Decorative Polymer Concretes - Provides a high performance, tough, durable, protective, topcoat seal. Water-white; resists yellowing when exposed to sunlight. Enhances the color of surfaces and provides additional chemical and abrasion protection.

Concrete Pavers - Brings out color and protects paver from fading or color change due to weathering. Helps seal against spillage.

Lightweight Concrete Block - Penetrates into concrete block pores for in-depth protection against moisture. Retards the moisture exchange in concrete that brings soluble concrete salts to the surface.

Architectural Concrete - Reduces lime leaching which can etch tinted colored glass, aluminum, etc. Brings out the fresh wet look color of aggregates.

Common and Face Brick - Prevents stains from penetrating into the brick surface. Dried film provides protection against chemical attack and makes brick easier to clean.

## WARRANTY

**LIMITED WARRANTY:** The great variation between environmental factors, possible surfaces and application techniques, and the lack of control we have over such matters, must affect our policies. EARTHPAINT INC. products are guaranteed not to be defective when applied and used in accordance with instructions. However, liability, whether express or implied, is limited to replacement of product or refund of purchase price and cannot include liability for labor costs or consequential damages and will be done at Earthpaint Inc sole discretion. It is the user's responsibility to insure that the proper product is being used for each job.

## SHIPPING DATA

Packaging 5 gallon pails