

MANUFACTURER

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PRODUCT NAME

FORTRESS® NANO SEAL

PRODUCT DESCRIPTION

FORTRESS® NANO SEAL is a ready to use, quick drying and multifunctional , water based concrete protectant containing a new generation, invisible and low VOC emulsion of silane, siloxane and synthetic polymers. It will penetrate and chemically bond deep within the substrate to provide long lasting protection against deterioration or staining due to water conditions. NANO sealer will not impair the natural breathing characteristics of treated substrates, nor will it produce a film. It will help concrete and masonry surfaces to resist common issues such as cracking, efflorescence, spalling, staining, and other damages caused by intrusion of water.

ADVANTAGES / CUSTOMER BENEFITS

- Invisible water repellent, non-staining
- Penetrates, bonds and seals porous uncoated surfaces
- Horizontal and vertical surfaces
- UV resistant
- Mold & mildew resistant
- Leaves no gloss or shine.
- Breathable – does not trap moisture

USES

It is recommended for interior and exterior, horizontal or vertical, porous masonry and concrete surfaces where a deep penetrating, water-based water repellent is specified. It protects concrete and masonry surfaces, including concrete parking lots, driveways, walkways, and vertical walls. The product is designed to provide lasting protection from de-icing chemicals and moisture intrusion. The product can be used on both horizontal and vertical surfaces. Suitable application includes architectural concrete, concrete block, split-face block, pavers, stucco, porous and dense brick, clay tile, etc.

AREAS OF APPLICATION

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- Concrete Sidewalks
- Exposed Aggregate Patios & Porches
- Sandstone Driveways
- Brick & Stucco Pavers
- Concrete Block Bridges
- Unglazed Tile Parking Garages
- Terra Cotta Precast Concrete Walls
- Slate Stadiums

TECHNICAL DATA

Wet Appearance	Milky White
Dry Appearance	Clear and Invisible
VOC Content	<0 g/l
Blush Resistance	Good
Alkalinity Resistance	Excellent
Concrete Adhesion	Excellent
Drying Time	1 - 2 hours
Re-Coat Time	refer to instructions
Foot Traffic	8-12 hours
Wheel Traffic	24-48 hours

***Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

DISCLAIMER: ALL INFORMATION ON THIS TECHNICAL DATA SHEET IS FOR GENERALGUIDANCE ONLY. GRANTMAN INDUSTRIAL CORPORATION RESERVES THE RIGHT TO CHANGE WITHOUT PRIOR NOTICE.

INSTRUCTIONS FOR USE

SURFACE PREPARATION

The concrete surface must be structurally sound, clean and free from loose concrete, dirt, form oils and other chemical contaminants, The surface should be air dried and absorbent. FORTRESS NANO SEAL high solid content will affect the existing colors of the surface. Test first on a small area before proceeding.

MIXING AND APPLICATION

For New Concrete:

New concrete should be allowed to cure for at least 21 days before applying FORTRESS® NANO SEAL. Remove all film forming sealers or curing compound before treating.

1. Agitate thoroughly before use. FORTRESS® NANO SEAL can be applied by brush or low pressure spray. Apply with a uniform saturation. Surfaces should remain wet a few minutes. Broom out puddles. Water and oil repellency starts to develop within 24 hours and is complete within one week.

2. For porous surfaces, or surfaces that are expected to receive a high level of oil contamination, a second coat is recommended to be applied within 4 hours of the first application.

3. Always broom out all puddles until product is completely absorbed. When used with chemical hardeners or densifiers, apply anytime after densifier has dried.

4. Clean all treated surfaces with suitable non-acid cleaner as soon as they have been exposed to oil, grease or paint. Surfaces that are mechanically cleaned may need re-application of Fortress Nano Seal.

Clean up:

Thoroughly rinse application equipment with clean water.

CAUTION

Use gloves and eye protection. Avoid contact with eyes and prolonged skin contact. If eye contact occurs, wash with clean water and consult a doctor immediately.

LIMITATIONS

Not intended for below grade waterproofing. Not for use on surfaces previously treated with a water repellent. Requires up to 7 days after application to develop its maximum repellency. Keep from freezing. FORTRESS® NANO SEAL is destroyed from freezing. If it freezes, it cannot be thawed, mixed and reused.

COVERAGE

Coverage requirement may vary depending upon the porosity of the surface being protected.

SHELF LIFE

FORTRESS® NANO SEAL has a shelf life of up to 12 months provided its stored in a tightly closed container and protected from sunlight, and stored at temperatures between 40°F (4°C) and 100°F (38°C). Do not allow to freeze.

PACKAGING

