

## NanoPave® NanoLok 90



### TYPICAL USES:

- Cement
- Mortar
- Tile Adhesive
- Stucco
- Plaster
- Patch/Repair Slurry

Install guidelines and application rates may vary. If product does not match bottle image at left, please contact manufacturer technical support at 877-356-2250.

### I. Features & Benefits

NanoLok 90™ is a nano-polymer admixture for all types of cementitious products including cement, mortar, plaster, stucco, and tile adhesives. Cured mortars modified with NanoLok 90™ have excellent water resistance and adhesion to a variety of substrates, in addition to increased compressive and flexural strength. This water-based, VOC-free product also reduces cracking and separation by increasing flexibility with its nano-polymer technology.

- Water-based, VOC-free, nano-polymer admixture for modifying cement, mortar, & tile adhesives to increase strength, flexibility, adhesion, & water resistance.

### II. Tool Recommendations:

- No tools required for use as admixture
- For patch/repair slurry:
  - 5-gallon bucket / mixing tools / trowel

### III. Material Recommendations:

For use with most Portland Cement based products:

- Cement
- Mortar
- Tile Adhesive
- Stucco
- Plaster
- Concrete Repair

### IV. Coverage

For use with Portland Cement products	Water : NanoLok90™	
	Normal Strength	Maximum Strength
Cement	4 : 1	2 : 1
Mortar (exterior use)	4 : 1	2 : 1
Mortar/Tile Adhesive (interior use)	6 : 1	3 : 1
Stucco	4 : 1	2 : 1
Patch/Repair Slurry *Primer Coat/Concentrate	2 : 1	1 : 1
Water Features	2 : 1	1 : 1

### V. Installation Recommendations

Do not use with air entrained cement.

Exercise caution and always observe manufacturer safety guidelines for any complimentary Portland Cement based products.

NL90 should be used within an ambient temperature range of 40° - 90° F.

For patch/repair slurry use, surfaces must be clean, and free from debris, oil, grease, algae, efflorescence, release powder, or curing/sealing agents.

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### VI. Application Guidelines

Personal protective equipment (PPE) is recommended for application:

- Gloves
- Safety glasses

#### *Admixture*

NL90 is should be mixed with clean water before adding to Portland Cement based products. See Section IV for mix ratios.

Pour admixture solution into mixing container or mechanical mixer. Mix solution thoroughly with material. Avoid over-mixing, or mixing at high speeds that can cause foaming.

#### *Patch/Repair Slurry*

A tack coat may be applied to surface before slurry application. Apply slurry immediately after tack coat application.

Warmer ambient and surface temperatures can reduce curing time, conversely, colder temperatures can lengthen curing time. Avoid freezing conditions for NL90 storage or use.

Apply slurry as needed and trowel into place. Avoid over-working slurry and wet trowel as needed for improved workability, especially in warm or windy conditions.

Allow 24 - 48 hours to cure.

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### VII. Storage

Store NL90 out of direct sunlight in areas with a temperature range of 40° - 90° F.

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### VIII. Maintenance

A seal coat of NL90 may be applied to slurry repairs as needed. Seal coat may alter appearance, always perform test section to determine suitability.

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### IX. Warranty

TechniSoil Global, Inc. warrants this product to be free from defects. Where permitted by law, TechniSoil makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose. The purchaser shall be responsible to orchestrate their own tests to determine the suitability of this product for their particular purpose. TechniSoil's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which product proven to be defective has been applied. Acceptance and use of this product absolves TechniSoil from any other liability, from any and all sources, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of TechniSoil, its distributors or dealers, independent contractors, clients or end-users of any kind.