

## NS-7

## Non-Shrink Admixture

Fritz-Pak NS-7 is a powdered admixture formulated to produce a more uniform and workable non-shrink grout with less water. It is packaged in our signature **water-soluble bags** for easy use. As a non-shrink additive, NS-7 will allow slow, controlled, in-place expansion of the grout mix prior to hardening. As a grout fluidifier, it will greatly enhance flowability, allowing ease of placement with extended handling and set times. NS-7 also significantly reduces water requirements by 10 to 20%. NS-7 does not contain calcium chloride, nitrites, nitrates, or other corrosive materials.



No 97081

## MEETS STANDARDS

There are not applicable standards for this product.

## PACKAGING:

<b>SIZE</b>	1 lb. Bags
<b>BAGS/CASE</b>	60
<b>CASES/PALLET</b>	42

Also available in 42 lb. bags

## ADVANTAGES

- Increased compressive, shear, and bond strengths
- Increased water retention
- Reduced cracks and cold joints
- Improved grout flowability & extended set times

## INSTRUCTIONS

- NS-7 should be added at the job site, not the plant. Adding it at the plant could result in poor performance & low expansion.
- Use 1 lb. of NS-7 per every 100 lb. of cementitious materials.
- Add the desired number of water-soluble bags to the grout mix.
- Mix at high speed for 5 - 7 minutes to ensure proper dispersion.
- Discharge truck within 90 minutes.

## FAQ

**Q:** How does NS-7 work?

**A:** It contains an ingredient that generates hydrogen gas and produces expansion. Expansion occurs before set in order to fill all voids and cavities.

**Q:** Is the expansion damaging?

**A:** No. Since the expansion is made by gas, it will not be strong enough to break any forms.

**Q:** When using NS-7, do I follow standard concrete testing?

**A:** No. Compressive strength needs to be tested using restrained cylinders or molds. See ASTM C 1107 for further reference.

**Q:** What standards does NS-7 meet?

**A:** There are no ASTM standards for this product, but it can be used to create grouts that conform to ASTM C 1107, Grade "A" Pre-Hardening Volume-Adjusting.

## COMPATIBILITY

NS-7 is compatible with most concrete and cement admixtures. When using more than one admixture, each product should be dispensed separately. NS-7 does not contain calcium chloride, nitrates, or other potentially corrosive materials. Store in a dry location, protected from breakage, deterioration, and contamination. NS-7 is not subject to damage from freezing temperatures.

## WARRANTY

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning uses or applications are only the opinion of Fritz-Pak Corporation and users should make their own tests to determine the suitability of these products for their own particular purposes. Because of numerous factors affecting results, Fritz-Pak Corporation makes no warranty of any kind, expressed or implied, including those of merchantability and fitness for purpose. Statements herein, therefore, should not be construed as representations or warranties. The responsibility of Fritz-Pak Corporation for claims arising out of breach of warranty, negligence, strict liability, or otherwise are limited to the purchase price of the materials.

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