

# PRO-NSGROUT

## Non-Shrink Construction Grout

SKU# PROP-NSGROUT

**Usage:** PRO-NSGROUT can be used for grouting all types of machinery, bearing plates, steel columns, precast concrete as well as additional anchoring conditions that require high in-service strength. PRO-NSGROUT is a non-metallic Portland cement based material, preblended with expansive additives which require only the addition of water and is ideal for handling high load transfers.

**Packaging:** 50 lb. bag, gray powder

**Preparatory Work:** All surfaces must be dry, structurally sound and not subject to extreme temperatures (below 40°F or above 100°F) during installation. Surfaces must be free of all grease, oil, dirt, dust, curing compounds, sealers, coatings, efflorescence, old adhesive residues, gypsum based underlayments and any other foreign matter. Remove all deteriorated, loose or spalled concrete and other matter detrimental to proper adhesion. Mechanically scarify work surfaces to obtain an aggregate fractured surface condition. Wash debris from work surfaces with plenty of clean water. Prepared work surface should be in saturated surface dry condition with no standing water. Place PRO-NSGROUT quickly using mechanical vibration or tamping to eliminate air bubbles.

**Mechanical Mixing:** Add PRO-NSGROUT to clean, cool water at the following rate:

<u>Consistency</u>	<u>Amount of Water Required</u>
Plastic	1 Gallon (3.8 L)
Flowable	1 Gallon + 1 Pint (4.3L)
Fluid	1 Gallon + 3 Pints (5.2L)

Use caution not to exceed a flow of 20 seconds per ASTM C939. Mix for a minimum of 5 minutes to ensure an even consistency. Do not mix more material than can be placed in 25 minutes. Please note that temperatures in excess of 70°F will decrease working time. Grout temperature should be between 50°F and 90°F, using cold water to mix in high temperature weather and warm water to mix in lower temperature weather to achieve desired result.

### Physical Properties (Ambient temperatures at 73°F)

Plastic:	1 day	3000 psi
	3 days	9500 psi
	7 days	10,000 psi
	28 days	14,000 psi
Flowable:	1 day	3000 psi
	3 days	9000 psi
	7 days	9500 psi
	28 days	12,500 psi
Fluid:	1 day	2500 psi
	3 days	5000 psi
	7 days	6000 psi
	28 days	8000 psi

**Technical Standards:** Conforms to ASTM C939, ASTM C1107 and CRD 621.

**Curing:** Moist or damp cure a minimum of 3 days with fine spray mist of water or wet burlap to ensure non-shrink properties.

**Safety:** Use in well ventilated areas. May cause eye, skin or lung injury. Contains Portland cement. If any cement or cement mixtures get into the eye, flush immediately and repeatedly with water and consult a physician immediately. Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible and wash exposed skin areas promptly with water.

KEEP OUT OF REACH OF CHILDREN!