

TREMGROUT NS

Non-Shrink Cementitious Grout



EUCLID CHEMICAL

Product Overview

TREMGROUT NS is a cement based, non-shrink grout ideal for construction and civil grouting applications. TREMGROUT NS provides high compressive strengths and can be mixed and placed from plastic to flowable consistency. TREMGROUT NS can be extended with aggregate for large volume placements.



Features & Benefits

- Shows positive expansion when tested in accordance with ASTM C 1090 and meets non-shrink requirements of CRD-C 621, Corps of Engineers specification for non-shrink grouts
- Rapid strength gain for early support, with high ultimate compressive strengths
- No added chlorides
- Placement by pouring or pumping
- Can be extended with aggregate for large volume placements



Typical Applications

Non-shrink grouting applications including:

- Precision grouting applications with clearances of 12mm–150mm
- Column Base plates
- Pumps, motors, drives
- Machine bases of all types
- Non-shrink grouting of structural steel and pre-cast concrete



Typical Physical Properties At 21°C

PROPERTY		STANDARD	FLOWABLE CONSISTENCY
Compressive Strength	1 Day	ASTM C109 (restrained)	34 MPa
	7 Days		68 MPa
	28 Days		82 MPa
Compressive Strength	1 Day	AS 1478.2	27 MPa
	7 Days		62 MPa
	28 Days		78 MPa
Flow Rate		ASTM C1437 (Flow Table)	> 130%
Expansion	3 Days	ASTM C1090 / CRD-C 621	0.04%
	28 Days		0.08%
Flexural Strength	1 Day	AS 1012.11	4.8 MPa
	7 Days		9.5 MPa
	28 Days		11.2 MPa
Tensile Strength	1 Day	AS 1012.10	3.1 MPa
	7 Days		4.4 MPa
	28 Days		7.8 MPa
Working Time			30 minutes
Setting Time	Initial	Gillmore Needles	3 to 4 hours
	Final		5 to 6 hours
<p>*Compressive Strength results published above are typical based on laboratory testing using 50mm cubes and tested at 13% water. Variations of these results can be expected if alternative sample sizes, or test methodology is used.</p>			

SERVICE AND SUPPORT:

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Tremco Construction Products Group (CPG) represents the combined power of brands including Nudura, Willseal, and Tremco, along with Tremco CPG affiliates Flowcrete, illbruck, Nullifire, Duram and Euclid Chemical.

