

UltraFlow™ 4000/8

Precision, Fluid, Non-Shrink Grout



CTS Cement Mfg Corp.
11065 Knott Ave., Suite A
Cypress, CA 90630

Phone: 800-929-3030
Fax: 714-379-8270
info@ctscement.com
www.ctscement.com



Description:

UltraFlow™ 4000/8 offers advantages that no other grout can match. It is a fluid consistency grout that provides extended working time to allow for large placements, but then gains strength quickly after an hour and hits 4000-psi in 8 hours. Hence the name UltraFlow™ 4000/8. In the past, a choice had to be made between long working time and early strength gain. Rapid Set® has been making non-shrink grouts since 1981 and UltraFlow™ 4000/8 allows grout users to have it all. Large pours can be easily completed with UltraFlow™ 4000/8 and be ready for use in just 8 hours.

Features/Benefits:

- Fluid – flows easily into tight areas
- Extended Working Time – fluid for 30 minutes and workable for an hour
- Early Form Removal and Cutback – job completed faster
- 8 Hour Strength – allows machines to be returned to service faster
- Non-Shrink – for permanent bearing support and load transfer
- 98% plus Effective Bearing Area – provides maximum support and load transfer
- Any consistency – can be fluid, flowable, plastic, or damp pack
- Does not bleed or use gas forming agents – no hollow spots under the plate
- Pumpable – easy to place
- No Segregation – the grout stays strong and durable
- Sulfate Resistant – for use in high sulfate areas
- High Freeze/Thaw Resistance – for outdoor use
- Can be coated or painted in 24-hours

Primary Uses:

- Baseplates
- Equipment
- Columns
- Anchor bolts
- Marine application
- Pre-placed aggregates
- Machinery
- Soleplates
- Structural members
- Dowel rods
- Voids and rock pockets

When To Use:

- When precision alignment is required
- When maximum load bearing is required
- When long working time is required
- When pours are thin or intricate
- When early stripping is required
- When 8 hour strengths are required
- When time is of the essence

ASTM C1107

UltraFlow™ 4000/8 is fluid for ½ hour and remains workable for an hour. UltraFlow™ 4000/8 can be used from 45° to 90° F. UltraFlow™ 4000/8 meets ASTM C1107 as a Grade A, B, and C grout.

Yield, Packaging and Shelf Life

UltraFlow™ 4000/8 will yield approximately .5 cubic feet of hardened grout when mixed to a fluid consistency. UltraFlow™ 4000/8 is packaged in 55 pound multi-layered, polyethylene-lined bags. Shelf life for unopened bags stored in dry conditions is one year.

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Physical Properties (at 73° F)

Compressive Strength, (psi) ASTM C109

	<u>Fluid</u>
8 hour	4000
1 day	6500
3 days	7500
7 days	8000
28 days	8500

Volume Change:

Meets both ASTM C827 for early height change and ASTM C1090 for hardened height change, thereby qualifying as a grade A, B, and C grout.

Effective Bearing Area: 98%

Bond Strength or Splitting Tensile Strength, ASTM C882

2000 psi @ 28 days

Freeze/Thaw, ASTM C666

99% @ 300 cycles

Setting Time, ASTM C191 (At fluid consistency)

Initial set: 95 minutes
Final set: 150 minutes.

