

PRODUCT LINE GUIDE:

DIVISION 3 > 03 01 00 > MAINTENANCE OF CONCRETE

FastSet™ Repair Mortar >> Product No. 1241 (with Corrosion Inhibitor >> Product No. 1241-66)



DESCRIPTION >> PRIMARY USE

QUIKRETE® FastSet™ Repair Mortar is a polymer modified, shrinkage compensated, rapid setting high strength mortar specified formulated to make structural repairs in vertical and overhead applications. Exceeds requirements of ASTM C928 R-2 for structural concrete repair; 20-30 minute working time allows adequate time for placement and finishing. Basic use: Can be sculpted to match the contour of existing concrete surfaces. Use for repairing concrete cracks, curbs, steps, prestress panels, pipe, tunnels, sewers, loading docks, silos, retaining walls, culverts, catch basins, decorative moldings, bridge columns, parapet walls, septic tanks, cold storage vaults, virtually any vertical or overhead concrete surface.

Compressive strength, ASTM C109 modified

3 hours	2000 psi (13.8 MPa)
24 hours	4000 psi (27.6 MPa)
7 days	5000 psi (34.5 MPa)
28 days	6000 psi (41.4 MPa)

Slant shear bond strength, ASTM C882 modified

24 hours	1000 psi (6.9 MPa)
7 days	1500 psi (10.3 MPa)
28 days	2500 psi (17.2 MPa)

Setting Time, ASTM C191

- Initial Approx. 20 minutes
- Final 20-40 minutes

SIZE AVAILABILITY

- 20 lb (9.1 kg) pails
- 50 lb (22.7 kg) pails
- 60 lb (27.2 kg) bags

FastSet™ Non-Shrink Grout >> Product No. 1585



DESCRIPTION >> PRIMARY USE

QUIKRETE® FastSet™ Non-Shrink Grout is a dual-purpose product. As a fluid grout meeting ASTM C1107, it is used for anchoring and grouting of anchor bolts, retrofitted reinforcing steel, steel column bases, bearing plates, precast concrete key ways and other installations that require high early and high ultimate strength. Non-shrink characteristics make it stable and capable of handling load transfers. As a repair material, the product meets ASTM C928 R3.

Compressive strength, ASTM C109

3 hours after set	2000 psi (13.8 MPa)	2500 psi (17.2 MPa)	3000 psi (20.7 MPa)
24 hours	4000 psi (27.6 MPa)	4500 psi (31 MPa)	3000 psi (20.7 MPa)
7 days	5000 psi (34.5 MPa)	5500 psi (37.9 MPa)	6000 psi (41.3 MPa)
28 days	6500 psi (44.8 MPa)	7500 psi (51.7 MPa)	8000 psi (55.1 MPa)

Slant shear bond strength, ASTM C928

1 day	1000 psi (6.9 MPa)	1000 psi (6.9 MPa)	1000 psi (6.9 MPa)
7 days	1500 psi (10.3 MPa)	1500 psi (10.3 MPa)	1500 psi (10.3 MPa)
28 days	2500 psi (17.2 MPa)	2500 psi (17.2 MPa)	2500 psi (17.2 MPa)

Setting Time, ASTM C191

- Final 20-45 min

SIZE AVAILABILITY

- 20 lb (9.1 kg) pails
- 50 lb (22.7 kg) pails
- 60 lb (27.2 kg) bags



PRODUCT LINE GUIDE:

DIVISION 3 > 03 01 00 > MAINTENANCE OF CONCRETE

FastSet™ Concrete Mix >> Product No. 1004-51 (with Corrosion Inhibitor >> Product No. 1004-57)



DESCRIPTION >> PRIMARY USE

QUIKRETE® FastSet™ Concrete Mix is a rapid hardening structural concrete mix for use in construction and repair pavements, driveways, floors, bridge decks, highways, sidewalks and concrete parking lots. Use at any thickness from 1½" (38 mm) to 24" (610 mm). Exceeds the requirements of ASTM C928 R-3 for concrete repair materials. QUIKRETE® FastSet™ has less shrinkage than ordinary Portland cement concrete.

Compressive strength, ASTM C39

3 hours	3000 psi (20.7 MPa)
24 hours	5000 psi (34.5 MPa)
7 days	6000 psi (41.3 MPa)
28 days	7000 psi (49.3 MPa)

Slant shear bond strength, ASTM C928

1 day	1000 psi (6.9 MPa)
7 days	1500 psi (10.3 MPa)
28 days	2500 psi (17.3 MPa)

Setting Time, ASTM C191

- Final 25-45 minutes
- Slump, inches (mm) >3 (>76) (per ASTM C928)

SIZE AVAILABILITY

- 70 lb (31.8 kg) bags
- 3000 lb (1362 kg) bulk bags

Shrinkage, ASTM C928

- 28 days in air >-0.15
- 28 days in water >+0.15

FastSet™ DOT Mix >> Product No. 1244-55 (with Corrosion Inhibitor >> Product No. 1244-53)



DESCRIPTION >> PRIMARY USE

QUIKRETE® FastSet™ DOT Mix is a rapid setting, fiber-reinforced repair material specifically designed to meet ASTM C928 Category R-3 specifications for a high-performance repair materials. Basic use: patching materials for commercial applications at a thickness of ½" – 2" (13-51 mm). May be extended with up to 25 lb. (11.3 kg) of gravel per 55 pound (25 kg) bag for repairs to roads and bridges at a minimum thickness of 2" (51 mm).

Compressive strength, C109 Modified

Age	C928 Spec	Typical Values
1.5 hours	-	3000 psi (20.7 MPa)
3 hours	3000 (20.7 MPa)	4500 psi (31.0 MPa)
24 hours	5000 (34.5 MPa)	6500 psi (44.8 MPa)
7 days	5000 (34.5 MPa)	8000 psi (55.2 MPa)
28 days	-	10000 psi (69.0 MPa)

Slant shear bond strength

Age	C928 Spec	Typical Values
24 hours	1000 psi (6.9 MPa)	1200 psi (8.3 MPa)
7 days	1500 psi (10.3 MPa)	1620 psi (11.2 MPa)
28 days	-	2500 psi (17.3 MPa)

Setting Time, ASTM C191

- Initial 10-20 minutes
- Final 20-45 minutes

SIZE AVAILABILITY

- 55 lb. (25 kg) bags
- 80 lb (36.3 kg) bags – *Extended version availability (No. 1244-80)*
- 80 lb (36.3 kg) bags – *Extended version with corrosion inhibitor (No. 1244-83)*
- 3000 lb (1362 kg) bulk bags – *Extended version availability*



PRODUCT LINE GUIDE:

DIVISION 3 > 03 01 00 > MAINTENANCE OF CONCRETE

Quick-Setting Cement >> Product No. 1240



DESCRIPTION >> PRIMARY USE

QUIKRETE® Quick-Setting Cement is a Portland cement based formula that is specifically formulated for making structural repairs to vertical and overhead surfaces. It can be used anywhere that rapid setting is necessary. It is specifically formulated to set in approximately 10-15 minutes. Its unique properties allow the user to actually sculpt the material as it begins to harden. It is used to repair:

- Concrete pipes, sewers and culverts
- Floors, steps and curbs
- Bridges and pavement
- Cold storage vaults and freezers
- Pre-stress panels
- Loading docks and tunnels
- Retaining walls
- Catch basin and septic tanks

Setting Time, ASTM C191

- Initial 5-10 minutes
- Final 10-20 minutes

SIZE AVAILABILITY

- 10 lb (4.5 kg) pails
- 20 lb (9.1 kg) pails
- 50 lb (22.7 kg) bags

Compressive strength, ASTM C109

24 hours	3000 psi (20.7 MPa)
7 days	5000 psi (34.5 MPa)
28 days	6000 psi (41.3 MPa)

Scaling resistance, ASTM C672

- Excellent

Hydraulic Water-Stop Cement >> Product No. 1126



DESCRIPTION >> PRIMARY USE

QUIKRETE® Hydraulic Water-Stop Cement is a rapid-setting, high strength repair materials designed to plug leaks instantly in masonry and concrete walls, swimming pools, fountains and for sealing around concrete pipe. Stop flowing water in 3-5 minutes. Use above of below grade. Sets up underwater. 60-90 second set formula also available.

Cure time Compressive strength

2 hours	1000 psi (6.9 MPa)
24 hours	2500 psi (17.3 MPa)
7 days	4500 psi (31.1 MPa)
28 days	5500 psi (38.0 MPa)

SIZE AVAILABILITY

- 10 lb (4.6 kg) pails
- 20 lb (9.1 kg) pails
- 50 lb (22.7 kg) pails

Setting time

Final	< 5 minutes
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PRODUCT LINE GUIDE:

DIVISION 3 > 03 01 00 > MAINTENANCE OF CONCRETE

Concrete Repair >> Product No. 8620-10



DESCRIPTION >> PRIMARY USE

QUIKRETE® Concrete Repair is a superior sanded acrylic latex formulation for crack repair in concrete, including concrete, stucco or masonry walls, sidewalks, patios and driveways.

- Dries quickly to a tough and flexible finish
- Helps prevent water and ice damage to concrete surfaces
- Weather resistant
- Excellent adhesion
- Textured to blend with concrete surfaces
- Easy clean up with water before product dries

SIZE AVAILABILITY

- 5.5 fl. (163 ml) squeeze tubes
- 10 fl. oz (296 ml) caulk tubes

Mortar Repair >> Product No. 8620-09



DESCRIPTION >> PRIMARY USE

QUIKRETE® Mortar Repair is a water resistant sanded acrylic formula for use in tuck-pointing masonry mortar joints. It remains flexible and is textured and colored to give the appearance of masonry mortar. The product has minimal shrinkage, excellent adhesion and is non-flammable. The unique square opening is ideal for filling 3/8" (8 mm) mortar joints.

SIZE AVAILABILITY

- 5.5 fl. (163 ml) squeeze tubes
- 10 fl. oz (296 ml) caulk tubes

Stucco Crack Repair >> Product No. 8650-10



DESCRIPTION >> PRIMARY USE

QUIKRETE® Stucco Crack Repair sanded acrylic formula used as a crack filler and sealer for repairs to vertical and horizontal stucco surfaces. It is designed to blend in with the texture of stucco surfaces. It provides excellent adhesion and remains flexible for durable repairs.

SIZE AVAILABILITY

- 5.5 fl. (163 ml) squeeze tubes
- 10 fl. oz (296 ml) caulk tubes

COLOR

- Light Buff



PRODUCT LINE GUIDE:

DIVISION 3 > 03 31 00 > STRUCTURAL CONCRETE

FastSet™ Concrete Mix >> Product No. 1004-51 (with Corrosion Inhibitor >> Product No. 1004-57)



DESCRIPTION >> PRIMARY USE

QUIKRETE® FastSet™ Concrete Mix is a rapid hardening structural concrete mix for use in construction and repair pavements, driveways, floors, bridge decks, highways, sidewalks and concrete parking lots. Use at any thickness from 1½" (38 mm) to 24" (610 mm). Exceeds the requirements of ASTM C928 R-3 for concrete repair materials. QUIKRETE® FastSet™ has less shrinkage than ordinary Portland cement concrete.

Compressive strength, ASTM C39

3 hours	3000 psi (20.7 MPa)
24 hours	5000 psi (34.5 MPa)
7 days	6000 psi (41.3 MPa)
28 days	7000 psi (49.3 MPa)

Slant shear bond strength, ASTM C928

1 day	1000 psi (6.9 MPa)
7 days	1500 psi (10.3 MPa)
28 days	2500 psi (17.3 MPa)

Setting Time, ASTM C191

- Final 25-45 minutes
- Slump, inches (mm) >3 (>76) (per ASTM C928)

SIZE AVAILABILITY

- 70 lb (31.8 kg) bags
- 3000 lb (1362 kg) bulk bags

Shrinkage, ASTM C928

- 28 days in air > -0.15
- 28 days in water > +0.15

Concrete Mix >> Product No. 1101



DESCRIPTION >> PRIMARY USE

QUIKRETE® Concrete Mix is a 4000 psi (27.5 MPa) blend of properly proportioned stone, gravel, sand, Portland cement and other ingredients approved for use in concrete. Exceeds the compressive strength requirements of ASTM C387. Basic use: Structural and non-structural concrete applications over 2" (51 mm) thick, including:

- Foundation walls and footings
- Sidewalks, curbs, steps, ramps, walkways and driveway repairs
- Appliance and equipment platforms
- Post supports, floor slabs and patios
- Pools, fish pools, stepping stones and splashblocks
- Riprap & slope protection

SIZE AVAILABILITY

- 40 lb (18.1 kg) bags
- 60 lb (27.2 kg) bags
- 80 lb (36.2 kg) bags
- 3000 lb (1362 kg) bulk bags

Cure time Compressive strength

1 day	750 psi (5.2 MPa)
3 days	1500 psi (10.3 MPa)
7 days	2500 psi (17.7 MPa)
28 days	4000 psi (27.5 MPa)
Slump range	2"-3" (51-76 mm)



PRODUCT LINE GUIDE:

DIVISION 3 > 03 31 00 > STRUCTURAL CONCRETE

QUIKRETE® 5000 Concrete Mix >> Product No. 1007



DESCRIPTION >> PRIMARY USE

QUIKRETE® 5000 High Early Strength Concrete Mix is designed for any concrete use requiring high early strength and rapid strength gains. QUIKRETE® 5000 sets quickly, making it ideal for cold weather applications. It has a walk-on time of 10-12 hours. QUIKRETE® 5000 can be used for any application requiring concrete in a minimum thickness of 2" (51 mm), such as:

- Slabs, footings and steps
- Columns, walls and patios
- Driveways, aprons and curbs

Cure time Compressive strength

1 day	1500 psi (10.3 MPa)
3 days	2500 psi (17.7 MPa)
7 days	3500 psi (24.1 MPa)
28 days	5000 psi (35.4 MPa)

SIZE AVAILABILITY

- 60 lb (27.2 kg) bags
- 80 lb (36.3 kg g) bags
- 3000 lb (1350 kg) bulk bags

Crack Resistant Concrete >> Product No. 1006



DESCRIPTION >> PRIMARY USE

QUIKRETE® Crack Resistant Concrete is an air-entrained 4000 psi (27.5 MPa), fiber-reinforced concrete designed for structural and non-structural concrete over 2" (51 mm) thick. The synthetic fibers eliminate the need for wire mesh in slab-on-grade construction. QUIKRETE® Crack Resistant Concrete significantly reduces shrinkage concrete and improves durability and impact strength. Exceeds the compressive strength requirements of ASTM C387. Applications include:

- Driveways, sidewalks and floor slabs
- Curbs, steps, amps and walkways
- Poured walls and footings
- Tool shed bases, appliance and equipment bases

SIZE AVAILABILITY

- 60 lb (27.2 kg) bags
- 80 lb (36.3 kg) bags
- 5 gal (19 L) pails

Cure time Compressive strength

1 day	750 psi (5.2 MPa)
3 days	1500 psi (10.3 MPa)
7 days	2500 psi (17.7 MPa)
28 days	4000 psi (27.5 MPa)



PRODUCT LINE GUIDE:

DIVISION 3 > 03 37 13 > SHOTCRETE

Shotcrete >> Product No. 1228-21

Shotcrete MS >> Product No. 1229-80

Shotcrete MS Polypropylene Fibers Reinforced >> Product No. 1229-86

Shotcrete MS-AR Fiberglass Reinforced >> Product No. 1229-83

Shotcrete MS Steel Fiber Reinforced >> Product No. 1229-87



DESCRIPTION >> PRIMARY USE

QUIKRETE® Shotcrete Mixes are specifically designed for repairing above- or below-grade concrete and mortar. They are structural repair materials for bridges, tunnels, parking garages, ramps, beams, piers, sewer pipes and dams. They can be used for structural concrete in vertical, horizontal and overhead structures. Shotcrete MS is a 1-component, dry process shotcreting material containing microsilica. Advantages include high strength, high adhesion, low permeability, low rebound and low sag. Shotcrete MS can be placed at a greater single pass thickness than conventional shotcrete. It can be made alkali resistant (AR) glass fiber or other types of fiber reinforcement. Other performance levels are also available to meet specific job-site requirements, including coarse aggregate versions.

SIZE AVAILABILITY

- 50 lb (22.7 kg) bags
- 3000 lb (1362 kg) bulk bags

Compressive strength, ASTM C42

	Shotcrete	Shotcrete MS
1 day	3000 psi (20.7 MPa)	3200 psi (22.0 MPa)
7 days	6000 psi (41.3 MPa)	6900 psi (47.5 MPa)
28 days	8000 psi (55.1 MPa)	9000 psi (62.0 MPa)

Flexural strength, ASTM C78

	Shotcrete	Shotcrete MS
7 days	700 psi (4.8 MPa)	900 psi (6.2 MPa)
28 days	1000 psi (6.9 MPa)	1100 psi (7.6 MPa)

Bond strength, ASTM C882

	Shotcrete	Shotcrete MS
7 days	–	1100 psi (7.6 MPa)
28 days	–	2200 psi (15.2 MPa)



PRODUCT LINE GUIDE:

DIVISION 3 > 03 53 00 > CONCRETE TOPPING

Concrete Resurfacer >> Product No. 1131



DESCRIPTION >> PRIMARY USE

QUIKRETE® Concrete Resurfacer is a polymer modified, Portland cement based repair material designed to provide a new durable, wear resistant surface over worn, scaling concrete. Basic use: Offers an economical alternative to removing and replacing existing old concrete and will withstand heavy foot traffic and vehicle traffic. It is ideal for resurfacing large areas. It can be squeegee or trowel applied, and broom finished for professional look and non-slip surface.

TROWELABLE CONSISTENCY

Compressive strength, ASTM C109 (air cured)

1 day	1250 psi (8.6 MPa)
7 days	3500 psi (24.1 MPa)
28 days	5000 psi (34.5 MPa)

SCREEDABLE CONSISTENCY

Compressive strength, ASTM C109 (air cured)

1 day	1000 psi (6.9 MPa)
7 days	3000 psi (20.7 MPa)
28 days	4500 psi (31.0 MPa)

SIZE AVAILABILITY

- 40 lb (18.1 kg) bags
- 40 lb (18.1 kg) boxes
- 80 lb (36.3 kg) bags

WORKING TIME

Temperature	Working Time
73°F (23°C)	20 min
Walk-on Time	
Foot Traffic	2 hours
Vehicle Traffic	24 hours

Multi-purpose Concrete Resurfacer >> Product No. 1131-45



DESCRIPTION >> PRIMARY USE

QUIKRETE® Multi-purpose Concrete Resurfacer is a polymer-modified Portland cement based, trowel-grade repair material. It is a normal set product designed to provide a durable, wear-resistant surface over worn-scaling concrete. Ideal for resurfacing vertical surfaces such as curbs and concrete walls as well as horizontal concrete surfaces. Is applied at a minimum thickness of 1/4".

TROWELABLE CONSISTENCY

Compressive strength, ASTM C109 (air cured)

1 day	1250 psi (8.6 MPa)
7 days	3500 psi (24.1 MPa)
28 days	5000 psi (34.5 MPa)

SIZE AVAILABILITY

- 40 lb (18.1 kg) bags



PRODUCT LINE GUIDE:

DIVISION 3 > 03 53 00 > CONCRETE TOPPING

Concrete Bonding Adhesive >> Product No. 9902



DESCRIPTION >> PRIMARY USE

QUIKRETE® Concrete Bonding Adhesive is specifically formulated for permanently bonding new concrete or plaster to old concrete or plaster. It is suitable for interior or exterior applications. QUIKRETE® Concrete Bonding Adhesive is also used as the required primer for QUIKRETE® Self-Leveling Floor Resurfacer. Exceeds the requirements of ASTM C1059 Type I or Type II. Basic use: This exterior grade synthetic emulsion chemically adheres new concrete toppings and Portland cement plaster or repair material to floors, walks, sidewalks, silos, concrete pipes, concrete pavements, concrete and cinder blocks, curbs and steps.

COVERAGE

- As a paint-on adhesive: 35-75 ft²/qt (150-300 ft²/gal) (3.7-7.4 m²/L)
- As a slurry coat: approximately 19 ft²/qt (75 ft²/gal) (1.85 m²/L)
- As a primer: 600-1200 ft²/gal (14.8-29.6 m²/L)

Slant shear strength, ASTM C1059

Adhesive Type	Specification
Type I	> 400 psi (2.8 MPa)
Type II	> 1250 psi (8.6 MPa)

SIZE AVAILABILITY

- 1 qt (0.95 L) plastic bottles
- 1 gal (3.8 L) plastic jugs
- 5 gal (19 L) pails

Concrete Acrylic Fortifier >> Product No. 8610



DESCRIPTION >> PRIMARY USE

QUIKRETE® Concrete Acrylic Fortifier is a highly water resistant acrylic resin formulation designed as a bonding agent admixture for thin Portland cement coatings. It densifies surfaces and makes them more resistant to many chemicals and mild acids, as well as to the penetration of water or aqueous solutions. Exceeds the requirements of ASTM C 1438.

BASIC USE:

Application with Repair Products:

For making thin repairs to concrete, use with QUIKRETE® Sand Mix, Quick-Setting Cement and other repair materials. Mix QUIKRETE® Concrete Acrylic Fortifier directly into the repair material as part of the liquid solution.

Application with Wall Products:

Use with QUIKWALL® Surface Bonding Cement or Heavy Duty Masonry Coating in new construction or rehabilitation to achieve improved bond strength and to increase water resistance. QUIKWALL® Surface Bonding Cement with QUIKRETE® Concrete Acrylic Fortifier is a good choice for rehabilitation of damaged concrete and masonry walls. Use QUIKRETE® Concrete Acrylic Fortifier with QUIKRETE® One Coat Fiberglass Reinforced Stucco or Finish Coat Stucco to provide increased bond strength and curing properties, reduced shrinkage cracking and to prevent separation between basecoats and finish coats.

SIZE AVAILABILITY

- 1 qt (0.95 L) plastic bottles
- 1 gal (3.8 L) plastic jugs
- 5 gal (19 L) pails



PRODUCT LINE GUIDE:

DIVISION 3 > 03 54 16 > HYDRAULIC CEMENT UNDERLAYMENT

Self-Leveling Floor Resurfacer >> Product No. 1249-50
Fast-Setting Self-Leveling Floor Resurfacer >> Product No. 1249-51



DESCRIPTION >> PRIMARY USE

QUIKRETE® Self-Leveling Floor Resurfacer and QUIKRETE® Fast-Setting Self-Leveling Floor Resurfacer are self-leveling, self-finishing floor topping and underlayments specifically formulated to work without troweling. Both of these materials produce a level surface ready for the installation of ceramic tile, resilient flooring, carpet or other finishes. They can be installed from 1-½” thick to a feather edge in one application. They are designed to meet exacting tolerances. QUIKRETE® Fast-Setting Self-Leveling Floor Resurfacer remains fluid for a minimum of 20 minutes, has a walk on time of 2-4 hours and reaches 4,000 psi in 7 days. Both products can be used over:

- Precast floor slabs
- New concrete
- Floor slabs damaged by weather
- Poured-in-place slabs with unacceptable finishes or existing floors

Cure time Compressive strength

24 hours	1800 psi (12.4 MPa)
7 days	4000 psi (27.6 MPa)
28 days	5500 psi (37.9 MPa)

SIZE AVAILABILITY

- 50 lb (22.7 kg) bags

DIVISION 3 > 03 54 16 > GYPSUM CEMENT UNDERLAYMENT

Fast-Setting Underlayment >> Product No. 1248



DESCRIPTION >> PRIMARY USE

QUIKRETE® Fast-Setting Underlayment is a blend of high strength gypsum cement and graded fine aggregates. Basic use: Used to level interior concrete and wood floors prior to the installation of ceramic tile, resilient flooring, carpet or other flooring coverings.

Property & Test

- Final set, ASTM C191

Results

10-30 minutes

Compressive strength, ASTM C109

2 hours	2000 psi (13.8 MPa)
24 hours	3000 psi (20.7 MPa)
28 days	6000 psi (41.4 MPa) 6943-

SIZE AVAILABILITY

- 25 lb (11.3 kg) bags



PRODUCT LINE GUIDE:

DIVISION 3 > 03 62 00 > NON-SHRINK GROUTING

FastSet™ Non-Shrink Grout >> Product No. 1585



DESCRIPTION >> PRIMARY USE

QUIKRETE® FastSet™ Non-Shrink Grout is a dual-purpose product. As a fluid grout meeting ASTM C1107, it is used for anchoring and grouting of anchor bolts, retrofitted reinforcing steel, steel column bases, bearing plates, precast concrete key ways and other installations that require high early and high ultimate strength. Non-shrink characteristics make it stable and capable of handling load transfers. As a repair material, the product meets ASTM C928 R3.

FASTSET™ NON-SHRINK GROUT AS A GROUT

	Fluid	Flowable	Plastic
Working Time	about 20 min	about 15 min	about 15 min
Final	20-45 min	20-45 min	20-45 min

Compressive strength, ASTM C109

3 hours after set	2000 psi (13.8 MPa)	2500 psi (17.2 MPa)	3000 psi (20.7 MPa)
24 hours	4000 psi (27.6 MPa)	4500 psi (31 MPa)	3000 psi (20.7 MPa)
7 days	5000 psi (34.5 MPa)	5500 psi (37.9 MPa)	6000 psi (41.3 MPa)
28 days	6500 psi (44.8 MPa)	7500 psi (51.7 MPa)	8000 psi (55.1 MPa)

SIZE AVAILABILITY

- 20 lb (9.1 kg) pails
- 50 lb (22.7 kg) pails
- 60 lb (27.2 kg) bags

Slant shear bond strength, ASTM C928

1 day	1000 psi (6.9 MPa)	1000 psi (6.9 MPa)	1000 psi (6.9 MPa)
7 days	1500 psi (10.3 MPa)	1500 psi (10.3 MPa)	1500 psi (10.3 MPa)
28 days	2500 psi (17.2 MPa)	2500 psi (17.2 MPa)	2500 psi (17.2 MPa)

Non-Shrink Precision Grout >> Product No. 1585-00



DESCRIPTION >> PRIMARY USE

QUIKRETE® Non-Shrink Precision Grout is a high strength non-metallic Portland cement-based material. It is a preblended product including expansive additives, requiring only the addition of water to obtain flowable properties and high strengths. Exceeds the requirements of ASTM C1107 and CRD621. Basic use: Typical applications include grouting of:

- All types of machinery • Bearing plates • Precast concrete
- Other anchoring conditions that require high in-service strength

TYPICAL PHYSICAL PROPERTIES AT 73°F (23°C)

Plastic	
1 day	3000 psi (20.7 MPa)
3 days	9500 psi (65.5 MPa)
7 days	10000 psi (68.9 MPa)
28 days	14000 psi (96.5 MPa)
Flowable	
1 day	3000 psi (20.7 MPa)
3 days	9000 psi (62.1 MPa)
7 days	9500 psi (65.5 MPa)
28 days	12500 psi (86.2 MPa)
Fluid	
1 day	2500 psi (17.2 MPa)
3 days	5000 psi (34.5 MPa)
7 days	6000 psi (41.4 MPa)
28 days	8000 psi (55.2 MPa)

WORKING TIME

Temperature	Working Time
50°F (10°C)	25 min
73°F *23°C)	25 min
90°F (32°C)	15 min

Pull-out strength, ASTM E488

28 days	35000 psi (241 MPa), ASTM, E488
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SIZE AVAILABILITY

- 50 lb (22.7 kg) bags
- 3000 lb (1362 kg) bulk bags



PRODUCT LINE GUIDE:

DIVISION 3 > 03 62 00 > NON-SHRINK GROUTING

Non-Shrink General Purpose Grout >> Product No. 1585-01



DESCRIPTION >> PRIMARY USE

QUIKRETE® Non-Shrink General Purpose Grout is a high strength non-metallic Portland cement-based material that contains extension additives. This product requires only the addition of water. Complies with ASTM C1107 and CRD621 requirements. Basic use: Typical applications include grouting of:

- Steel columns
- Bearing plates
- Precast concrete
- Anchors

Compressive strength, ASTM C109 modified per ASTM C1107

	Plastic	Flowable	Fluid
1 day	3000 psi (20.7 MPa)	3000 psi (20.7 MPa)	3000 psi (13.8 MPa)
7 days	9000 psi (62.0 MPa)	8000 psi (55.1 MPa)	6000 psi (41.3 MPa)
28 days	10000 psi (68.9 MPa)	9000 psi (62.0 MPa)	8000 psi (55.1 MPa)

SIZE AVAILABILITY

- 50 lb (22.7 kg) bags
- 3000 lb (1362 kg) bulk bags

Height change, ASTM C1090

- 1, 3, 7 & 28 days 0-0.2%

DIVISION 3 > 03 61 00 > CEMENTITIOUS GROUTING

Exterior Use Anchoring Cement >> Product No. 1245-81



DESCRIPTION >> PRIMARY USE

QUIKRETE® Exterior Use Anchoring Cement is a pourable, rapid-setting expansive cement for permanently setting bolts, posts, handrails, machinery, pipes and conduit in concrete. It is a uniformly blended, properly proportioned mixture of graded sand, special cements and proprietary additives requiring only the addition of water to achieve a flowable consistency. The mixture sets in 10-30 minutes expanding as it hardens to fill voids and lock itself securely into place. Suitable for use in wet environments.

Compressive strength, ASTM C109

2 hours	2000 psi (13.8 MPa)
24 hours	4000 psi (27.6 MPa)
7 days	6000 psi (41.4 MPa)
28 days	7000 psi (48.3 MPa)

Pull-out strength, ASTM E488

24 hours	14,100 lb-force (6395 Kg-force)
28 days	21,000 lb-force (9571 Kg-force)

SIZE AVAILABILITY

- 10 lb (4.5 kg) pails
- 20 lb (9 kg) pails
- 50 lb (22.7 kg) bags

Setting time, ASTM C191

- Final 10-30 minutes

