

TAMMSGROUT SUPREME

HEAVY DUTY MULTIFLOW GROUT

DESCRIPTION

TAMMSGROUT SUPREME is a heavy duty, high early strength, nonshrink, nonstaining, ready-to-use grout. The multiflow characteristic enables this single product to be packed, rodded, vibrated, poured, or pumped. TAMMSGROUT SUPREME is a proprietary formulation of modified cements and selectively graded aggregates containing no chlorides, iron, or gas forming materials.

PRIMARY APPLICATIONS

- Interior or exterior
- Large structural columns
- Pump & machine bases
- Post tensioning cables
- Anchor bolts
- Precast "tee" joints
- Bearing plates

FEATURES/BENEFITS

- High flexural and compressive strengths
- Non-metallic
- Non-rusting
- Non-corrosive
- Non-gas forming
- ▲ Can contribute to LEED points

TECHNICAL INFORMATION

Technical Data @ 75°F (24°C)

	Plastic	Flowable	Fluid
Compressive Strength ASTM C 109			
1 day psi (MPa)	7,094 (48.91)	6,510 (44.88)	4,314 (29.74)
3 days psi (MPa)	9,356 (64.51)	7,245 (49.95)	6,541 (45.10)
7 days psi (MPa)	10,856 (74.85)	9,688 (66.80)	7,968 (54.94)
14 days psi (MPa)	11,863 (81.79)	10,565 (72.84)	8,355 (57.61)
28 days psi (MPa)	13,210 (91.09)	11,510 (79.36)	9,410 (64.88)
Flow Table %	110	140	N/A
Flow Cone sec CRD-C 611	N/A	N/A	27
Setting Time min ASTM C 191			
Initial Set	12	27	35
Final Set	28	37	46
Expansion % CRD C 588			
1 day	0.051		
7 days	0.057		
28 days	0.057		
Appearance: Concrete gray color when dry.			

SPECIFICATIONS/COMPLIANCES

- ASTM C 827
- CRD C 621

COVERAGE/YIELD

One 55 pound (24.9 kg) bag will yield approximately 0.5 ft³ (0.014 m³).

DIRECTIONS FOR USE

Surface Preparation: Concrete surface must be structurally sound, clean, free of loose or deteriorated concrete, dust, dirt, and other contaminants. Steel or other surfaces must be clean and free of paint, dust, oil, rust, and other contaminants. Edges of concrete to be grouted that are less than 1" (25 mm) thick must be vertically cut to form a uniform butt. Smooth substrates must be abraded to ensure proper bonding. Shim and anchor support elements to prevent movement. Saturate prepared area with potable water for 12 to 24 hours minimum, before application. Remove excess water from holes and voids just before placement, to prevent dilution of the TAMMSGROUT SUPREME.



The Euclid Chemical Company

19218 Redwood Rd. • Cleveland, OH 44110
Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596
www.euclidchemical.com

An **RPM** Company



Forming: Construct forms to provide for rapid and continuous grout placement. Provide venting or air relief openings to avoid air entrapment. Allow 1" (25 mm) for "head," and 1/2 in (13 mm) for clearance. For pouring, allow a minimum 3" (7.6 cm) entry clearance, and a 6" (15.2 cm) "head." Seal wood forming surfaces to prevent absorption of moisture from the TAMMSGROUT SUPREME. Anchor forms tightly to prevent movement. Caulk to prevent moisture loss. Remove forms after final set, usually in 1 to 2 hours.

Mixing: TAMMSGROUT SUPREME requires only potable water for mixing. Use a rotary mixer with rubber tipped blades. Small quantities may be mechanically mixed using a slow speed motor and mixing blade. Measure mixing water accurately. Add the following measured amount of water to achieve the proper grout consistency: **Plastic:** 3.25 to 3.5 qts (3.1 to 3.3 L) **Flowable:** 3.5 to 3.75 qts (3.3 to 3.6 L) **Fluid:** 4.25 to 4.5 qts (4.0 to 4.3 L). With the mixer running, add water, and then, slowly add the bag of TAMMSGROUT SUPREME. Mix for 2 to 3 minutes to a smooth, even consistency. Place the grout within 5 min of mixing to utilize the full benefit of the expansion process. Continue mixing additional batches as necessary to maintain a continuous grout flow into the forms. Do not mix more material than can be placed in 20 min. Do not retemper TAMMSGROUT SUPREME.

Application: Mix TAMMSGROUT SUPREME in sufficient quantities to ensure continuous flow at time of placement. Pack or pour grout to vent air and avoid air entrapment. Maintain a minimum 6" (15.2 cm) "head" of pourable grout mix, to allow for grout flow, proper filling, and air venting. TAMMSGROUT SUPREME may be pumped with a heavy duty progressive cavity or diaphragm type pump specifically designed for the purpose. Protect grout areas from sun and wind during hot weather, and use cool water for mixing. Warm water may be used during cool weather. TAMMSGROUT SUPREME normally achieves final set in 1 to 2 hours. Following final set, strip formwork and remove excess "head" and "clearance" grout. For fills deeper than 2" (50 mm), contact your local Euclid Chemical representative.

Curing: Immediately following form removal, cure the TAMMSGROUT SUPREME using standard ACI curing procedures. To prevent rapid water loss, apply a membrane curing compound such as Clearseal 150 or Std., or cover with wet burlap for 48 hours. No "Capping" is necessary.

CLEAN-UP

Clean application tools and mixing equipment with water immediately after use.

PRECAUTIONS/LIMITATIONS

- Measure water accurately to prevent strength reduction.
- Do not use additives such as set retarders, set accelerators, or calcium chloride.
- Do not place TAMMSGROUT SUPREME when temperatures are below, or expected to fall below 35°F (1.7°C) within 72 hours.
- Do not retemper TAMMSGROUT SUPREME.
- In all cases, consult the Material Safety Data Sheet before use.

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.