



EUCLID CHEMICAL

TAMMSGROUT SUPREME

HIGH STRENGTH, NON-SHRINK GROUT

DESCRIPTION

TAMMSGROUT SUPREME is specially designed for use where high compressive strength and high fluidity are required. It is formulated as a natural aggregate system with a shrinkage-compensating binder and increased compressive strength. TAMMSGROUT SUPREME provides consistent and exacting performance in critical grouting operations.

PRIMARY APPLICATIONS

- Heavy duty grouting of machinery and equipment
- Structural columns
- Crane rails
- Interior or exterior
- Pump & machine bases
- Bearing plates

FEATURES/BENEFITS

- High strength for maximum load bearing
- Non-shrink with minimum positive expansion for high-tolerance performance
- Non-bleeding and non-segregating at a fluid consistency
- Does not contain any chlorides or additives which may contribute to corrosion of base structure
- Total shrinkage compensation provides a maximum bearing surface for the greatest overall support
- Rapid strength gain to minimize turnaround time for equipment re-grouts

TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

PROPERTY	PLASTIC CONSISTENCY	FLOWABLE CONSISTENCY	FLUID CONSISTENCY
Flow Rate (ASTM C 230/ASTM C939)	100% (Flow Table)	130% (Flow Table)	< 30 seconds (flow cone)
Compressive Strength (ASTM C1107) 2 in (50 mm) restrained cubes	1 day 7000 psi (48 MPa) 3 days 9000 psi (62 MPa) 7 days 10500 psi (72 MPa) 28 days 13000 psi (90 MPa)	1 day 6000 psi (41 MPa) 3 days 8500 psi (59 MPa) 7 days 10000 psi (69 MPa) 28 days 12000 psi (83 MPa)	1 day 5000 psi (34 MPa) 3 days 7500 psi (52 MPa) 7 days 9000 psi (62 MPa) 28 days 11000 psi (76 MPa)
Expansion (ASTM C1090)	3 days 0.08% 28 days 0.09%	3 days 0.02% 28 days 0.04%	3 days 0.03% 28 days 0.05%
Setting Time (ASTM C 191)	Initial: ~ 3 hrs Final: ~ 5 hrs	Initial: ~ 4 hrs Final: ~ 6 hrs	Initial: ~ 5 hrs Final: ~ 7 hrs

PACKAGING/YIELD

TAMMSGROUT SUPREME is packaged in 55 lb (25 kg) bags and yields:

0.46 ft³ (0.013 m³) of fluid grout when mixed with 1.1 gal (4.2 L) of water
 0.45 ft³ (0.013 m³) of flowable grout when mixed with 0.9 gal (3.4 L) of water
 0.44 ft³ (0.012 m³) of plastic grout when mixed with 0.8 gal (3.0 L) of water

SHELF LIFE

12 months in original, unopened package

APPEARANCE

TAMMSGROUT SUPREME is a free flowing powder designed to be mixed with water. After mixing and placing, the color may initially appear much darker than the surrounding concrete. While this color will lighten up substantially as it cures and dries out, the grout may always appear somewhat darker than the surrounding concrete.

SPECIFICATIONS/COMPLIANCES

- CRD C621, Corps of Engineers specification for non-shrink grout
- Shows positive expansion when tested in accordance with ASTM Specification C1090, "Standard Test Method for Measuring Changes in Height of Cylindrical Specimens from Hydraulic-Cement Grout"
- ASTM C1107, "Standard Specification for Packaged, Dry, Hydraulic-Cement Grout (non-shrink)"

DIRECTIONS FOR USE

Note: The contractor and engineer are encouraged to consult and review the Euclid Chemical bulletin: "Cementitious Grout Application Guide". The document offers instructions detailing the general installation of Euclid Chemical manufactured cement-based grout products. **Important:** If the contractor is not familiar with standard grout placement techniques, a pre-job meeting is suggested to review the project details unique to the particular job. Contact your local Euclid Chemical representative for additional information.

Mixing Water Guide gal (L)/bag

Consistency	Estimated Water Content, 55 lb bag*	Mix Time
Fluid	1.0 to 1.1 (3.8 to 4.2 L)	3 Min.
Flowable	0.8 to 0.9 (3.0 to 3.4 L)	3 Min.
Plastic	0.7 to 0.8 (2.6 to 3.0 L)	3 Min.

***Do not add water in an amount that will cause bleeding or segregation. More or less water may be required to achieve a <30 second flow or the desired placing consistency, depending on temperature and other variables. Do not add sand or cement to the grout since this action will change its precision grouting characteristics.**

TAMMSGROUT SUPREME may will be placed at a maximum depth of 5" (12.7 cm) per lift.

Application: See the "Cementitious Grout Application Guide" for installation means and methods.

CLEAN-UP

Clean tools and equipment with water before material hardens.

PRECAUTIONS/LIMITATIONS

- Store materials in a dry place.
- Proper curing is required.
- Do not add admixtures or fluidifiers.
- Do not add sufficient water to promote bleeding of the grout.
- Do not use this product at a flow cone rate of less than 20 seconds if checking flow rate on the job site.
- Do not use material at temperatures that may cause premature freezing.
- Keep the grout from freezing until a minimum strength of 4000 psi (28 MPa) is reached.
- Do not use as a topping.
- When necessary, follow the recommendations in ACI 305R "Guide to Hot Weather Concreting" or ACI 306R "Guide to Cold Weather Concreting".
- Shoulder cracking may occur on wide shoulders, improperly cured shoulders, or at stress points such as shimpacks, bolts or plate stiffeners. These cracks are of no structural significance.
- Rate of strength gain is significantly affected at temperature extremes.
- In all cases, consult the Safety Data Sheet before use.

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