

TAMMSGROUT SUPREME

HIGH STRENGTH, NON-SHRINK GROUT


EUCLID CHEMICAL

PACKAGING

TAMMSGROUT SUPREME is packaged in 25kg polyethylene lined bags.

APPROXIMATE YIELD

13.5 litres of fluid grout when mixed with 4.2 litres of water
 13 Litres of flowable grout when mixed with 3.6 litres of water
 12.5 Litres of plastic grout when mixed with 3.0 litres of water

CLEAN-UP

Clean tools and equipment with water before material hardens.

SHELF LIFE

12 Months in original, unopened container when stored in dry conditions. Heavy relative humidity will reduce the shelf life.

DESCRIPTION

TAMMSGROUT SUPREME is specially designed for use where high compressive strength and flowable consistency is 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.

PRODUCT CHARACTERISTICS

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 flowable 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
- Contains migrating corrosion inhibitor (MCI™)

PRIMARY APPLICATIONS

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

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 C230 / ASTM C939	100% (Flow Table)		130% (Flow Table)		< 30 Seconds (Flow Cone)	
Compressive Strength ASTM C1107 50mm restrained cubes	1 day	48 MPa	1 day	41 MPa	1 day	34 MPa
	3 days	62 MPa	3 days	59 MPa	3 days	50 MPa
	7 days	72 MPa	7 days	69 MPa	7 days	60 MPa
	28 days	90 MPa	28 days	83 MPa	28 days	73 MPa
Expansion ASTM C1090	3 days	0.08%	3 days	0.02%	3 days	0.03%
	28 days	0.09%	28 days	0.04%	28 days	0.05%
Setting Time ASTM C191	Initial: ~ 3 hrs Final: ~ 5 hrs		Initial: ~ 4 hrs Final: ~ 6 hrs		Initial: ~5 hrs Final: ~7 hrs	

TammsgROUT Supreme (4) July 2023 replaces July 2022

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APPEARANCE

TAMMSGROUT SUPREME is a free-flowing powder designed to be mixed with water. After mixing and placing, the colour may initially appear much darker than the surrounding concrete. While this colour 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 StonCor Africa bulletin: “Cementitious Grout Application Guide”. The document offers instructions detailing the general installation of TAMMSGROUT SUPREME. **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 StonCor Africa representative for additional information.

Mixing Water Guide

Consistency	Estimated Water Content, 25kg bag *	Mix Time
Fluid	4.0 to 4.2 litres	3 Minutes
Flowable	3.0 to 3.6 litres	3 Minutes
Plastic	2.6 to 3.0 litres	3 Minutes

** Do not add water in an amount that will cause bleeding or segregation. Do not add sand or cement to the grout since this action will change its precision grouting characteristics.*

TAMMSGROUT SUPREME may be placed at a maximum depth of 125mm per lift.

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

PRECAUTIONS / LIMITATIONS

- Protect stored bags from moisture.
- 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 material at temperatures that may cause premature freezing.
- Keep the grout from freezing until a minimum strength of 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 Material Safety Data Sheet before use.

NOTE:

- MCI™ is a trademark of the Cortec Corporation, registered in the United States and other countries.

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