

## PRODUCT DESCRIPTION:

**PrimeGrout® S, Ultra High Strength Non-Metallic Non-Shrink Grout** is a blend of Portland cement, siliceous aggregates and specialized additives. This high performance grout, even when placed at a flowable consistency, provides rapid strength development, complete shrinkage correction, and excellent bond to various substrates. **PrimeGrout® S** is resistant to salt water and de-icing chemicals.

## WHERE TO USE:

**PrimeGrout® S** suited for for precision grouting where it is essential to withstand static and dynamic loads Typical application are machines( turbines, compressors, boilers feed pumps etc.) base plates, anchor bolts, column bearings, bridge bearing seats, prestress deck beam keyway grout. **PrimeGrout® S** is highly recommended for use in marine environment for mortar or concrete, for encapsulation of wood, concrete or steel piles.

## ADVANTAGE:

**PrimeGrout® S** is ready-to-use; just add clean water and mix to the desired consistency. Use as little water as possible, as increasing water reduces strength.

## HOW TO USES:

**PrimeGrout® S** can be mixed with up to 4.75 lit. of water per 25 kg bag of mix, which will produce an extremely fluid, yet non-shrinking grout. **PrimeGrout® S** will maintain its fluidity for up to an hour without continued mixing. After **PrimeGrout® S** has been placed, it should receive wet burlap curing or some other suitable curing method for at least 24 hours. For other application, quantity of water can be varied to suit the material consistency.

## TYPICAL PROPERTIES:

Consistency	Water/25 kg B	Compressive Strength	
		1 day	30 days
Stiff	3.29 L	1 day	30.0 MPa
		7 days	68.0 MPa
		28 days	87.0 MPa
Pourable	3.79 L	1 day	28.0 MPa
		7 days	66.5 MPa
		28 days	85.0 MPa
Fluid (30 sec Flow Cone)	4.77 L	1 day	25.0 MPa
		7 days	56.0 MPa
		28 days	66.0 MPa



# PRIMEGROUT® S

Ultra High Strength Non-Metallic Non-Shrink Grout

## COVERAGE:

Each 25-kg bag will yield approximately 0.50 cubic feet (14,159 cu. cm.) of grouting mortar at a pourable, fluid consistency.

## SET TIME:

Initial set time is approximately 3 hours 25°C, permitting adequate time for placement and strapping, if necessary.

## LIMITATIONS:

**PrimeGrout® S** should not be used at temperatures below 2°C. For economical purposes when lift thickness exceeds 3 inches, up to 11 kg of 3/8" coarse aggregate may be added to the grout mix. Do not exceed 4.92L of water per 25 kg bag.

## STORAGE:

Store in dry, frost-free conditions at moderate temperatures not greater than 25 °c.

## SHELF LIFE:

Minimum one year if stored below 30 °C in original container and stored under shade.

**WARNING!** CONTAINS FREE SILICA & PORTLAND CEMENT. DO NOT BREATHE DUST. May cause delayed lung injury (silicosis). Follow O.S.H.A. safety and health standards for crystalline silica (quartz). Cement powder or freshly-mixed concrete, grout or mortar may cause skin injury. Avoid contact with skin and wash exposed skin areas promptly with water. If any cement powder or mixture gets into the eyes, rinse immediately and repeatedly with water and get prompt medical attention

## WARRANTY

Multichem warrants **PRIMEGROUT® S** to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the addition of **PRIMEGROUT® S**.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor authorizes any person to assume for Multichem any liability in connection with the sale and installation of **PRIMEGROUT® S**.

Because of constant improvement of manufacturing techniques and formulations, Company reserves rights to change this datasheet and its contents without prior notice.



MULTICHEM GROUP | 1, Kirtida Bungalow, Nahur Stn. Road, Bhandup (E), Mumbai-400042,

Phone No.: 91-22-25669137, 25664890, e-mail: [info@multichemgroup.net](mailto:info@multichemgroup.net)

[www.multichemgroup.net](http://www.multichemgroup.net)

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