

# MasterRoc® AGA 41

## Accelerating Admixture for TBM Annulus Grouting

Formerly MEYCO GA 41\*

### Description

MasterRoc AGA 41 admixture is a high-performance grout accelerator mainly used for Tunnel Boring Machine (TBM) annulus grouting. The dosage of MasterRoc AGA 41 admixture can be varied to the desired setting and hardening times.

### Applications

Recommended for use in:

- TBM applications
- Grout mixes with or without cementitious binders

### Features

- Adjustable setting times
- Low viscosity

### Benefits

- High-early strength
- Low consumption
- Easy to mix into grout, even at low temperatures

### Performance Characteristics

#### Technical Data

Form	Liquid
Color	Pale yellow
Solubility in water	Total

#### Properties

	Minimum	Maximum
Specific Gravity at 68 °F (20 °C)	1.32	1.61 (Avg 1.46)
Total Solids % by mass	37.52	39.12
Viscosity at 68 °F (20 °C) cP (mPa.s)	165	245

### Guidelines for Use

**Application Procedure:** MasterRoc AGA 41 admixture is a liquid material, which is added into the grout stream as close as possible to the end of the tailshield grout ports. The dosage range is 2 to 8% by mass of the cementitious materials for most grout mixes. However, variations in the job conditions, concrete or mortar materials may require amounts outside of the normal dosage range. In such cases, contact your local sales representative for assistance.

**Dosage:** For every 1 yd<sup>3</sup> of grout it is expected that 42.0 to 160.0 lb (25 kg to 95 kg for 1 m<sup>3</sup> of grout) of MasterRoc AGA 41 admixture will be required. Depending on the required properties of the grout, trial tests should be done to determine the optimum dosage.

## Storage and Handling

**Storage Temperature:** MasterRoc AGA 41 admixture must be stored in a cool dry place at temperatures between 40 °F and 95 °F (5 and 35 °C).

**Shelf Life:** MasterRoc AGA 41 admixture will have a shelf life of 12 months when stored under recommended conditions. Do not allow the product to freeze. It is recommended that your local sales representative be consulted prior to the use of any product that freezes.

**Safety:** MasterRoc AGA 41 admixture is non-hazardous. However, it is recommended to follow standard precautions when handling chemicals. Wear eye protection and gloves when handling the product.

## Packaging

MasterRoc AGA 41 admixture is available in bulk only.

## Related Documents

Safety Data Sheet: MasterRoc AGA 41 admixture.

## Additional Information

For additional information on MasterRoc AGA 41 admixture, contact your local sales representative.

*The Admixture Systems business of BASF's Construction Chemicals division is the leading provider of solutions that improve placement, pumping, finishing, appearance and performance characteristics of specialty concrete used in the ready-mixed, precast, manufactured concrete products, underground construction and paving markets. For over 100 years we have offered reliable products and innovative technologies, and through the Master Builders Solutions brand, we are connected globally with experts from many fields to provide sustainable solutions for the construction industry.*

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\* MEYCO GA 41 became MasterRoc AGA 41 admixture under the Master Builders Solutions brand, effective October 1, 2013.