

MasterRoc® SA 430 (Formerly known as Meyco® SA 430)

Liquid Sprayed Concrete Accelerator for Wet-Mix Spraying

DESCRIPTION OF PRODUCT

MasterRoc® SA 430 is an accelerator for the wet-mix spraying process, but can also be used in the dry-mix spraying process. It is a liquid additive whose dosage can be varied to the desired setting and hardening times.

FIELDS OF APPLICATION

MasterRoc® SA 430 is suitable for all applications where high early strength and very thick sprayed concrete layers are required.

- For temporary ground support in tunneling and mining
- Slope stabilization

FEATURES AND BENEFITS

- Fast setting and higher early strength
- Rapid work progress
- Low viscosity
- Easy to mix into the concrete, also at low temperatures
- Low consumption

APPLICATION PROCEDURE

The substrate must be clean and free from loose particles and preferably damp. Fresh standard Portland cement should be used because the reaction time is increased by prolonged storage. Preliminary tests are recommended for cements providing high sulphate resistance.

PACKAGING

MasterRoc® SA 430 is supplied in IBCs or in bulk.

CONSUMPTION

The consumption of **MasterRoc® SA 430** also depends on the w/c+b ratio, temperature conditions (concrete and ambient), cement reactivity and on required layer thickness, setting time and early strength development. The consumption is normally in the range of 3 to 8% of binder weight.

Overdosing (>8%) may result in decreased final strength.

TECHNICAL DATA

Form	Liquid
Color	Transparent
Density (at +20°C)	1.34 ± 0.02
Ph value	<11.5
Viscosity (at +20°C)	30-70 mPa.s (cps)
Solubility in Water	Total
Thermal stability	+5°C
Chloride Content	<0.1%
Phy biological Effect	Irritant to Skin and Eyes

STORAGE

Storage temperature for **MasterRoc® SA 430** is between + 5°C and + 60°C. If it has frozen, thaw at +20°C or above and completely reconstitute with a mild mechanical agitation. Please contact your local **Master Builders Solutions** representative prior to the use of any product that has been frozen. Performance tests should always be carried out before use. If stored tightly closed in original containers and under the above conditions, **MasterRoc® SA 430** has a shelf life of at least 12 months.

SAFETY PRECAUTIONS

MasterRoc® SA 430 is an irritant fluid-any contact with skin and eyes must be avoided. It is essential that safety glasses and rubber gloves always be worn during handling. The use of a protective cream e.g. Ketodex 1, is recommended. In case of contact with eyes or skin, flush immediately with plenty of water and seek medical advice. Further details can be found in the Material Safety Data Sheet.

DISCLAIMER

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is only responsible for the quality of the product **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

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