

MasterRoc[®] SA 580

Formerly MEYCO SA 580

High performance powder accelerator for dry-mix sprayed concrete

Product description

MasterRoc SA 580 is a high performance accelerator for use in the dry-mix sprayed concrete process. It is a powder additive whose dosage can be varied to the desired setting and hardening times.

Fields of application

MasterRoc SA 580 is suitable for all applications where high early strength, high final strength and very thick sprayed concrete layers are required.

- For temporary and permanent ground support in tunnelling and mining
- Slope stabilization

Features and benefits

- Overhead layer thickness of 10-15 cm in a single application
- Rapid work process
- High early strength development

Packaging

MasterRoc SA 580 is supplied in 15 kg bags.

Technical data

Form	Powder
Colour	Beige
Pouring density	0.9 - 1 kg/liter
pH value	~11
Chloride content (EN 480-10)	<0.1%

Application procedure

The substrate must be clean and free from loose particles and preferably damp.

It is recommended to only use fresh cement as the age of the cement can have a negative influence on the setting characteristics of the mix.

MasterRoc SA 580 is sensitive to the type of cement. With some cements the obtained setting characteristics can be too slow. This sensitivity can be compensated by reducing the water content.

We recommend the use of Portland cements (PC/HPC), which normally give faster setting than blended or sulphate resistant cement types.

In any case, it is strongly recommended to carry out preliminary tests to check the setting and the 24 hour strength characteristics of the cements planned for use in a project.

Consumption

The consumption of MasterRoc SA 580 depends on the water added, temperature, cement reactivity and on required layer thickness, setting time and early strength development. The consumption is normally in the range of 4 to 8% of binder weight.

Overdosing (>10%) may result in decreased final strength.

Storage

If stored dry and in tightly closed original bags between +5°C and +40°C, MasterRoc SA 580 has a shelf life of 6 months. If subjected to humidity, the product loses its effectiveness.

Safety precautions

The same precautions as with handling and use of cementitious products should be observed.

Avoid eye and skin contact and wear rubber gloves and safety glasses. If contact occurs, rinse with plenty of water. In case of eye contact seek medical advice.

For further information, refer to the Material Safety Data Sheet or contact your local BASF representative.



The Chemical Company

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The information given here is true, represents our best knowledge and is based not only on laboratory work but also on field experience. However, because of numerous factors affecting results, we offer this information without guarantee and no patent liability is assumed. For additional information or questions, please contact your local representative.

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