

# ECA Microcement 8000 SR

Sulphate resistant microcement to be injected into the soil or the rock



## Product Description

The ECA Microcement 8000 SR is a Microcement resistant to sulphate. It is injected into the soil or the rock. The ECA Microcement 8000 SR must be used with a suitable super plasticizer. It perfectly penetrates any cracks and spaces to fill in order to strengthen, restructure and stop the flow of water in soil and rock. The ECA Microcement 8000 SR is a perfectly calibrated cement sulfate resistant with low C3A content and alkaline.

## Uses

- Injection in stone: mines, tunnels, caverns and other. Could be injected during or after excavation. Stops the flow of groundwater and stabilizes the soil.
- Could be injected into the foundations of dams.
- Prevents the arrival of groundwater and stabilizes the soil.
- Could be injected to fill gravelly soils.

## Advantages

- Durability guaranteed
- Provides an economical solution
- Provides a better working environment without hazardous components
- Provides excellent penetration in the cracks.
- Standard cement injection equipment can be used.

## User Guide

- The ECA Microcement 8000 SR is used with super plasticizer, water reducer in the range of (1.0 - 3.0% by weight of cement). The normal water / cement ratio should be between 0.5 and 1.0.
- Fill the water mixer.
- Add The ECA Microcement 8000 SR and mix for 2 minutes.

- Add the super plasticizer, the ECA Microcement 8000 SR and continue mixing for another minute.
- Pour into the mixer. It is important to use a rapid paddle mixer. The mixture usage time Stir the mixture constantly until it is injected. The usage time of the ECA Microcement 8000 SR is over 90 minutes.

## Injection

In principle, the high pressure pumps are used to pump the cement slurry into the soil. For injection into rock and soil, mono-pumps can be used for these low-pressure injections.

## Curing

The ECA Microcement 8000 SR has similar setting time as the normal Portland cement and other microcements.

## Packaging

The ECA Microcement 8000 SR comes in bags of 1000kgs. Precautions for use Avoid contact with the eyes which can cause burns and irritation. Wash the affected party in case of contact. For eye contact, get immediate medical assistance. For more information, see the sheet on safety data.

## Shelf life

12 months from the date of manufacture.

## Specifications

Degree of fineness	+ 800m <sup>2</sup> /kg
Particle Size	
- 40 microns	100%
- 30 microns	99%
- 20 microns	99%
- 15 microns	98%
- 10 microns	92%
- 5 microns	58%
- 2 microns	20%
The ECA Microcement 8000 works like a regular fine cement with an initial intake	+ 4 hours
Alkali (Na <sub>2</sub> O Eq)	0.3 - 0.6 %
Performance by volume	1.48 - 1,50 kg/l
Cone March	32 - 34 s
Penetrant	2% maximum
Water/cement ratio	1.0

## Storage

Store in its packaging in a well-ventilated and dry environment.

## Technical service

The technical service is available to assist you for the proper use of our products and its resources are available without any commitment from your part.

## Contact Information

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