



# STABIROCK

## PRODUCT CODE : 711

### CEMENTITIOUS CAPSULE FOR ROCK STABILISATION

#### DESCRIPTION

**ROKSO STABIROCK** is available in sausage form enclosed in perforated plastic pouch. At the time of application, the capsule is put in water, allowing enough water to percolate in through the perforations to form a non-shrink, thixotropic cementitious grout. Special additives in the formulation ensure controlled expansion to stabilise the grout and control the water uptake to provide an optimum w/c ratio.

#### USES

**ROKSO STABIROCK** is used for grouting rock bolts for strata reinforcement in tunnelling and mining to reduce roof collapses.

#### CHARACTERISTICS / ADVANTAGES

**Reliability** : laboratory tested pre-packed materials remove all problems of controlling grout mixing underground thereby reducing any risk in constructing a fully column grouted bolt

**Non-shrink** : controlled expansion counteracts shrinkage to provide effective contact with rock

**Chloride free** : develops early strength without the use of chloride and makes it safe to use with embedded steel Encapsulated

**Thixotropic** : minimises grout loss from overhead holes

#### TECHNICAL INFORMATION

<b>Compressive Strength</b>	1 day = 11 N/mm <sup>2</sup>	
	7 days = 18 N/mm <sup>2</sup>	
	28 days = 27 N/mm <sup>2</sup> (ASTM C 109)	
<b>Curing Time</b>	Initial setting time	3-8 minutes
	Final setting time	10-20 minutes
<b>At +30°C</b>		

#### APPLICATION INSTRUCTIONS

##### MIXING

Minimum water soaking time	3 minutes
Maximum water soaking time	4 minutes

##### APPLICATION METHOD / TOOLS

Using the correct bit diameter, the holes should be drilled to the recommended depth using a rotary percussive machine; bore holes prior to insertion of **ROKSO STABIROCK** capsules should preferably be cleaned with compressed air to ensure total elimination of foreign particles, rock dust or water that may otherwise remain inside the bore hole.

The number of **ROKSO STABIROCK** needed should be taken out of their package and put in a trough of water. The **ROKSO STABIROCK** needs to be soaked for at least 3 minutes to allow sufficient water uptake. It may need to be soaked for longer if signs of air release (bubbling from the cartridges) are still there. The capsules are to be taken out of the water and inserted into the drilled hole. The capsules must be pushed to the end of the hole and put in position by a stemming rod or some such instrument. All the capsules are to be inserted in the same way. The rock bolt has to be pushed into the hole as far as it would go.

## PRODUCT INFORMATION

Chemical Base	Special Cement
Colour	Grey powder
Shelf Life	6 months from date of production
Packaging	encapsulated in perforated plastic pouch
Ship Pack	( 12 pcs in a box)
Storage Conditions	Store properly in dry condition in undamaged and unopened original sealed packaging.

## LIMITATIONS

Capsules should not be inserted in the borehole in running water condition

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## LEGAL NOTES

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