

# AB3



## Chloride-Free Setting & Hardening Accelerator

### DESCRIPTION

S.S. AB3 is a chloride-free, setting and hardening accelerator for shotcrete and reinforced concrete. Added in the mixing water, it allows fast form removal and faster construction process, whether in prefabrication or on site placement.

### PROPERTIES

If S.S. AB3 is used in the proportion of 1% to 2% of cement mass, cement hydration, and setting will be accelerated, thus reducing at 5°C the initial and final setting times by 40% to 60% compared to the reference test. If it is used in the proportion of 3% of cement mass, mechanical properties will not be affected, and the beginning of setting will be identical to properties obtained at standard temperature of 20°C. S.S. AB3 speeds up formwork rotation and can be used with heated concrete.

### SCOPE OF USE

- Cold-weather concreting
- Heavy or light prefabrication
- Admixture to dry-mix shotcrete

### CHARACTERISTICS

Appearance	Light Brown
Specific Gravity	1.2 ± 0.03
Cl- Content	(NIL)
PH	8 ± 1

### APPLICABLE STANDARD

Applicable standard: ASTM C 494 Type C, E.

### INSTRUCTIONS FOR USE: MIXING

Add S.S. AB3 to the mixing water.

### PRECAUTIONS

- Never concrete when the aggregates are frozen.
- In cold weather the proportion must not be lower than 300 kg/m<sup>3</sup>.

### TESTS

It is recommend to carry out preliminary testing before using the product on site.

### DOSAGE RATES

Recommended dosage: from 1% to 3% of cement mass. The same ratio should be reduced from the mixing water.

### PACKAGING

S.S. AB3 is supplied in: 1000, 200, 25 and 20 lit. drums.

### STORAGE

S.S. AB3 can be stored up to 1 year from manufacturing date under cover, out of direct sunlight and protected from extreme temperatures.

### HEALTH & SAFETY

In case of frost, the product recovers its properties after progressive thawing and homogenizing by agitation. In case of contact with skin or eyes, rinse thoroughly with water. If irritation persists, seek medical attention. If swallowed, do not induce vomiting and seek medical attention.

### QUALITY STATEMENT

All products are manufactured to comply with our internal QA/QC program and quality management system to ensure consistency and quality.

### DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control.

It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one.

The company may modify it without prior notice.

Technical characteristics are listed for guidance only.

For more information, please contact the company's office in your location.