

# REC FAST SET 103

## SETTING AND HARDENING CHLORIDE-FREE ACCELERATOR

### DESCRIPTION

Rec Fast Set 103 is a chloride-free, setting and hardening accelerator for special application concretes. Added in the mixing water, it allows fast form removal and faster construction process, whether in prefabrication or on-site casting.

### PRIMARY APPLICATIONS

- Concreting in cold weather • Heavy or light prefabrication • Dry mix shotcrete

### PROPERTIES

If Rec Fast Set 103 is used in the proportion of 2% to 3% of the cement mass, the setting time will be stimulated, thus reducing the beginning and the end of the setting by 40% to 60% at + 5°C compared to the reference test. If it is used in the proportion of 3.5% of cement mass, the mechanical strength will not be altered, and the beginning of the setting will be identical to what is obtained at normal temperature (20°C). Rec Fast Set 103 speeds up formwork rotation and can be used with heated concrete.

### TECHNICAL INFORMATION

|                  |                   |
|------------------|-------------------|
| Appearance       | Yellowish liquid  |
| Specific gravity | 1.220 ± 0.005     |
| PH               | 8± 1              |
| Chloride Content | < 0.1g/lit. (NIL) |

APPLICABLE STANDARDS Applicable standard: ASTM C 494 Type C

### SHELF LIFE

12 months in dry conditions and original packaging. To be stored protected against frost. In case of frost recovers its properties after progressive thawing

### DIRECTION OF USE

INSTRUCTIONS FOR USE MIXING Add Rec Fast Set 103 to the mixing water which will be reduced by 3% to 5%.

#### PRECAUTIONS

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

TESTS We recommend carrying out preliminary test before using our product on site.

### PACKING

Rec Fast Set 103 is supplied in 5KG ,25 KG and 200 KG

### HEALTH & SAFETY

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. Use surface adhesion.

## QUALITY STATEMENT

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

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