

REC ANTIFREEZ

ANTI-FREEZE AGENT FOR CONCRETING IN COLD WEATHER

PRODUCT

Rec anti-freeze is chloride-free; it permits placement and curing of concrete below the freezing point of water. It has no tendency to cause corrosion of embedded reinforcing steel.

PROPERTIES

When concrete freezes before the mixture reaches the minimum strength, the matrix of the Portland cement concrete may experience irreparable internal fracturing; this reduces the strength of the mixture. Admix anti-freeze protects the mixture in the structure until the desired strength and durability characteristics are achieved.

SCOPE OF USE

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

CHARACTERISTICS

Appearance	Transparent liquid
Specific gravity	1.280 ± 0.01
Cl- content	(NIL)
Storage	Down to -20°C in tightly closed drums

INSTRUCTIONS FOR USE

MIXING

Add Rec anti-freeze to the mixing water.

PRECAUTIONS

- Never mix concrete when the aggregates are frozen.
- In cold weather the proportion of cement must not be lower than 300 kg/m³.

TESTS

It is recommended carrying out preliminary testing before using the product on site.

DOSAGE RATES

Recommended dosage: from 0.5% to 2.5% of cement weight. The same ratio should be reduced from the mixing water.

PACKAGING

Rec anti-freeze is supplied in:
200 and 25 lit. drums

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.

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.

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