

PR 2000 CA

High-Range Water Reducing Admixture

PRODUCT DESCRIPTION

PR 2000 CA is a new generation, high-range water-reducing admixture based on advanced polycarboxylate chemistry. It provides superior workability, excellent flow characteristics, and enhanced strength development in concrete mixtures with reduced cement content. PR 2000 CA meets the requirements of ASTM C 494/C 494M Type A and Type F admixtures.

APPLICATIONS

Recommended for use in:

- Concrete with varying water reduction requirements (5–40%)
- High flowability and durable concrete
- Self-consolidating concrete (SCC)
- Strength-on-demand concrete
- Pervious and precast concrete applications

FEATURES AND BENEFITS

- Maximum water reduction efficiency
- Controlled rheology and consistent performance
- Excellent compatibility with air-entraining agents
- Improved strength development and surface finish
- Suitable for mixes with reduced cement or supplementary materials

PERFORMANCE CHARACTERISTICS

Concrete produced with PR 2000 CA achieves significantly higher compressive strength at 28 days compared to conventional admixtures. It enables lower water-to-cement ratios without compromising workability.

TYPICAL PROPERTIES	TYPICAL VALUE
Appearance	Light Grey Liquid
Solids content	26.5 – 35.5
Specific gravity (25°C)	1,06 - 1,10 g/cm ³
pH (25°C)	4,00 - 7,00
Chlorine content	≤ 0.1 % by mass

GUIDELINES FOR USE

Dosage: 0.3-2Kg/100 kg of cementitious materials. The dosage rates given are for typical usages, they are not meant as absolute limits, as other dosages may be utilized in special cases according to specific job conditions.

Mixing: Add PR 2000 CA with the initial batch water or as a delayed addition for optimal water reduction.

PRODUCT NOTES

- Non-chloride and non-corrosive formulation
- Compatible with most concrete admixtures (avoid naphthalene-based types)
- Minimum shelf life: 12 months under recommended conditions

STORAGE CONDITIONS

The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +35 °C. Protect from direct sunlight and frost. Always refer to the packaging. Frost: If frozen or if precipitation has occurred, the Product may be used after thawing slowly at room temperature and intensive mixing.

PACKAGING

Supplied in 210 L drums, 1000L IBC, or bulk delivery options.

LIMITED WARRANTY NOTICE

C-STALLION AFRICA LTD warrants this product to be free from manufacturing defects and to meet the properties stated in this data sheet when used as directed. Suitability for specific applications should be confirmed by the user through proper testing. C-STALLION AFRICA LTD assumes no liability for misuse or improper application.

Contacts

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