TECHNICALDATASHEET: APP-PCE-L1E

DESCRIPTION

APP-PCE-L1E (early-strength, water-reducing type) is an eco-friendly, new-generation, high-performance polycarboxylate ether superplasticizer. It is based on the interaction between polycarboxylate superplasticizer molecules and cement, using specially structured polycarboxylate molecules to promote the combination of cement particles and water, completing hydration and enhancing early strength.

MAIN FUNCTION

Wide adaptability to many kinds of cement, gravel and sand, with a high water-reducing ratio; suitable for precast concrete, especially precast tubular piles. It can brighten and clean the surface of concrete. It is suitable for pumping, with small pores and low viscosity.
With stable performance, it is widely used in all kinds of concrete projects and cement products.

TECHNICAL SPECIFICATIONS

Items	Enterprise Standard
Appearance (23°C)	Colourless or light yellow to brown viscous liquid
pH Value (23°C)	6±1
Solid content (%)	50±1
Water-Reducing Ratio (%)	≥25
Chloride Content (%)	≤0.02
Total alkali (%)	≤0.3

APPLICATION

APP-PCE-L1E can be widely used in all kinds of precast concrete. It provides early strength and high early-strength concrete.

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USAGE

1. Recommended dosage (by weight of binder) is 0.35%-0.65% (based on 50% solid content). The optimum dosage depends on actual project conditions and materials.
2. A compatibility test should be done in advance when used with other additives.
3. Measure precisely to avoid repeat dosing, leakage and errors.

STORAGE AND SAFETY

1. APP-PCE-L1E should be stored at 0°C-40°C. Keep away from sun, rain and impurities. Avoid evaporation of water.
2. Shelf life: 6 months.
3. APP-PCE-L1E is a non-toxic, non-polluting product. Avoid contact with eyes. If contact with eyes occurs, rinse immediately with water and seek medical advice.

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