Creative Enzymes®

Concentrated Liquid High-Range Water Reducer

Cat. No. CEGZ-6381

Lot. No. (See product label)

Introduction

Description	A concentrated liquid high-range water reducer based mainly on sodium beta-naphthalene sulfonate-formaldehyde condensate for concrete processing.
Applications	Suitable for roads, bridges, tunnels, ports, industrial and civil construction, including C10-C80 concrete such as high-strength, early-strength, flowing, self-compacting, steam-cured, prestressed, and waterproof concrete.

Product Information

Appearance	Black-brown liquid.
Form	Liquid
Composition	Sodium beta-naphthalene sulfonate-formaldehyde condensate-based high-range water reducer.
Quality	Cement paste fluidity: >=230 mm. Density: 1.20 +/- 0.003 g/cm3. Sodium sulfate: <=2%. Solids: 40 +/- 0.5%. pH: 7-9.
Usage	Dosage range: 0.8-2.5% based on cementitious material; typical dosage: 1.2-1.8%. Water-reduction rate: 14-25%, and up to 30% at the upper dosage. Typical strength increases: 1-day 60-80%, 3-day 40-60%, 28-day 25-44%. Cement consumption may be reduced by approximately 10-20% at comparable slump and strength. Conduct trial mixing before use and extend mixing time by at least 30 seconds after addition.

Usage and Packaging

Package	Tanker supply; 200 kg iron drums or 50 kg plastic drums may be used where required.

Storage and Shipping Information

Storage	Store in sealed containers and protect from water evaporation and rain. Shelf life: 1 year; after expiry, use only after testing confirms suitability.
Shipping Conditions	Normally transported by tanker; drum packaging may be used for specific requirements.