

PRODUCT DATA SHEET



Uerochem-61

PRODUCT DISCRIPTION

Uerochem61 is a mid-range Polycarboxylate Ether (PCE) based concrete admixture designed to enhance the performance of concrete. It is engineered to provide superior workability, improved strength, and enhanced durability in both fresh and hardened concrete. Uerochem61 is suitable for use in various construction applications, including ready-mix concrete, precast concrete, and high-performance concrete.

Technical Data

Appearance	Clear to light brown liquid
Specific Gravity	1.05 ± 0.02 at 25°C
pH Value	6.0 - 8.0
Chloride Content	< 0.1%
Recommended Dosage	0.5% - 1.5% by weight of cement (depending on desired workability and strength requirements)
Compatibility	Compatible with most Portland cements and supplementary cementitious materials
Shelf Life	12 months in unopened containers, stored in a cool and dry place

FEATURES & BENEFITS

- Improves workability without compromising strength
- Reduces water content while maintaining slump
- Enhances early and final strength of concrete
- Increases durability and resistance to environmental factors
- Compatible with a wide range of cement types
- Reduces shrinkage and cracking potential

Applications

- Ready-mix concrete
- Precast concrete elements
- High-performance and high-strength concrete
- Mass concrete pours
- Concrete with low water-cement ratios

PERFORMANCE DATA

Water Reduction	Up to 20% depending on dosage
Slump Retention	Maintains workability for up to 60 minutes
Compressive Strength	Increases by 05-10% compared to reference concrete (depending on dosage)
Setting Timet	May slightly extend initial and final set times (dependent on dosage and ambient conditions)

Application Instructions

- **Mixing:** Uerochem61 should be added to the concrete mix during the initial stages of mixing, preferably with the mixing water. Ensure that the admixture is thoroughly dispersed throughout the mix.
- **Dosage:** The recommended dosage is 0.3% to 1.2% by weight of cement. Adjust the dosage based on specific project requirements and desired concrete properties.
- **Compatibility:** Uerochem61 can be used with other admixtures, but a compatibility test is recommended when using multiple admixtures.
- **Curing:** Proper curing practices should be followed to achieve the best results in terms of strength and durability.

Packaging

- Available in 200 L drums, 250 L drums, or bulk supply

Storage

- Store in a cool, dry place, away from direct sunlight. Keep containers tightly closed when not in use. Protect from freezing.

Health & Safety

- Avoid contact with skin and eyes. In case of contact, rinse immediately with plenty of water.
- Wear appropriate personal protective equipment (gloves, goggles) during handling
- In case of ingestion, seek medical attention immediately.
- Keep out of reach of children.

Disposal

- Dispose of contents and packaging in accordance with local regulations