

ADMIX POWER 504

(High Range Water Reducing Admixture – Polycarboxylate Ether Based)

Product Description

ADMIX POWER 504 is a new generation high performance super plasticizer based on polycarboxylate ether polymer technology. The product provides excellent cement dispersion, resulting in high water reduction, improved workability, and enhanced compressive strength of concrete.

Uses

- Ready mix concrete
- Precast and pre-stressed concrete
- High strength and high performance concrete
- Self compacting concrete (SCC)
- Pumped concrete
- Infrastructure and high rise structures
- Concrete with low water : cement ratio

Advantages

- High water reduction up to 15–20%
- Excellent slump retention
- Improved workability and pumpability
- Higher early and final compressive strength
- Reduced bleeding and segregation
- Improved durability and dense concrete structure
- Very good cost / performance ratio

Product Information

Chemical Base	Polycarboxylate Ether Polymer
Appearance	Light Yellow to Brown Liquid
Density	$1.05 \pm 0.02 \text{ g/cm}^3$
Solid Content	$30 \pm 2 \%$
pH Value	6 – 8
Chloride Content	$\leq 0.1 \%$

Application Information

Recommended Dosage:

0.4 - 2.0 % by weight of binder higher dosages by weight of binder can be used depending on the mix design, raw materials, climatic conditions and concrete requirements. Trial mixes must be performed to establish the exact dosage rate required.

Approvals / Certificates

POWERFIX ADMIXPOWER 504 follows the requirements of ASTM C494; Type G and EN 934-2

Packaging

Available in 50 kg, 220 kg HDPE drums

Storage Conditions

Store in original sealed containers in dry conditions between 5°C and 40°C. Protect from direct sunlight and frost.

Shelf Life

12 months from the date of manufacture when stored properly in sealed packaging.

Health & Safety

Avoid contact with skin and eyes. Wear suitable protective equipment during handling. In case of eye contact rinse immediately with plenty of clean water.