



UKCP Rapid Set

POWDER SOLUTIONS

CONCRETE ADMIXTURES

UKCP Rapid Set is a highly active, rapid set, high early strength cement additive for Portland cement systems. It accelerates precast and ready mixed concrete and activates GGBS, allowing 75% cement replacement without compromising early strength development.

DESCRIPTION

What is UKCP Rapid Set?

UKCP Rapid Set is a highly active, early strength enhancing additive designed for use in Portland cement systems. It is based on a novel, synergist blend of inorganic ultra-rapid set accelerators, and it provides reduced set times and extremely high early strengths when used as an additive in OPC systems.

It is supplied as an off white, free flowing powder.

APPLICATIONS

- › Precast concrete needing rapid set and high early strength
- › Quick demoulding and increased production in precast
- › Large precast segments where mould numbers are limited
- › Ready mixed concrete for rapid set
- › Cold weather concreting to offset slower winter set times
- › Activating GGBS in combination with OPC in precast elements

KEY BENEFITS

- ✓ Rapid set times, from 5 minutes at 20°C, depending on dosage rate
- ✓ Very high early strengths
- ✓ Low shrinkage
- ✓ Ideal for cold weather concreting
- ✓ Moisture tolerant
- ✓ Allows GGBS at 75% cement replacement without compromising early strength development



TECHNICAL DATA

Form	Off white, free flowing powder
Type	Rapid set, early strength enhancing additive
Chemistry	Blend of inorganic ultra-rapid set accelerators
Cement system	Portland cement (OPC)
Setting time	From 5 minutes at 20°C, depending on dosage rate
Typical dosage (precast)	1 to 5% on cement weight
Typical dosage (GGBS activator)	5% on total binder weight
Supplied as	20kg bags and 1000kg bulk bags
Shelf life	12 months from date of manufacture

PACKAGING

- › 20kg bags
- › 1000kg bulk bags

STORAGE AND SHELF LIFE

12 months from date of manufacture when stored correctly, in dry conditions and away from contact with water.

HEALTH AND SAFETY

Refer to the Safety Data Sheet, available on request from UKCP.

DOSAGE AND TECHNICAL SUPPORT

The correct dosage depends on the mix design, raw materials and performance required. Contact the UKCP technical team on 07717 707163 or sales@ukconstructionproducts.co.uk for the recommended dosage for your mix and for advice on mixing, application and product selection. Carry out trial mixes where appropriate. The latest version of this datasheet is available at ukconstructionproducts.co.uk/products/rapid-set.