



HP-Xcel

LIQUID SOLUTIONS

CONCRETE ADMIXTURES

HP-Xcel is a chloride free concrete accelerator and low temperature plasticiser. This non-chloride, non-corrosive liquid hardening accelerator speeds cement hydration for faster setting and higher early strength, and helps provide safer winter concreting without delays.

DESCRIPTION

What is HP-Xcel?

HP-Xcel is a chloride free concrete accelerator and low temperature plasticiser. It is a specially formulated non-chloride, non-corrosive liquid hardening accelerator, designed to act as both a concrete accelerator and a plasticiser.

It accelerates the setting time of concrete by speeding up the cement hydration process, which increases the early age strength of the concrete. HP-Xcel can also be used to provide safer winter concreting without delays. It conforms to the requirements of BS EN 934-2, the European standard for concrete admixtures.

APPLICATIONS

- › Winter and low temperature concreting
- › Precast concrete units
- › Concrete where earlier formwork release is needed
- › Mixes made with all types of Portland cement

KEY BENEFITS

- ✓ Accelerates initial and final set
- ✓ Provides higher early strengths
- ✓ Increases the rate of strength gain
- ✓ Permits earlier release of formwork
- ✓ Enables earlier safe handling of precast units
- ✓ Provides safer winter concreting without delays
- ✓ Improves workability
- ✓ Enables a reduction in water content



TECHNICAL DATA

Form	Liquid
Type	Chloride free hardening accelerator and low temperature plasticiser
Chloride	Non-chloride, non-corrosive
Standard	Conforms to the requirements of BS EN 934-2
Suitable cements	All types of Portland cement
Typical dosage	1 litre per 100kg Portland cement (confirm by trials)
Dosage range	Typically 1% to 5% by weight of cement
Minimum mixing time	30 seconds after addition
Shelf life	Approximately 1 year

PACKAGING

Contact UKCP for current packaging options.

STORAGE AND SHELF LIFE

Approximately 1 year. Store in cool conditions above freezing and stir just prior to use.

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/hp-xcel.