



Xpress

POWDER SOLUTIONS

PRECAST ADMIXTURES

Xpress is an early strength activator for precast concrete based on CEMI and GGBS binder systems. It boosts early age strengths where at least 50% GGBS is used, improving handling and reducing breakages in semi-dry units such as blocks and bricks.

DESCRIPTION

What is Xpress?

Xpress is an early strength activator for precast concrete based on CEMI and GGBS binder systems. It is ideally suited to a range of precast concrete with a low w/c ratio, where early handling is essential for mould stripping and palletisation.

CEMI is Portland cement, and GGBS (ground granulated blast furnace slag) is a by-product of iron making that is widely used as a partial replacement for Portland cement. Xpress provides more efficient activation of the reaction between CEMI and GGBS, leading to higher early age strengths.

APPLICATIONS

- › Precast concrete based on CEMI and GGBS binders
- › Precast concrete with a minimum GGBS content of 50%
- › Semi-dry precast units with low binder content
- › Concrete blocks and bricks
- › Structural precast concrete needing faster demoulding

KEY BENEFITS

- ✓ Higher early strengths
- ✓ Reduced breakages
- ✓ Reduced curing times
- ✓ Allows higher levels of GGBS cement replacement, for lower CO2 levels
- ✓ Improved handling during palletisation and strapping
- ✓ Quicker turnaround of moulds and concrete elements



TECHNICAL DATA

Appearance	Free flowing crystals, colourless or white
Density	2.70 g/cm³
Bulk density	Approximately 1400 to 1600 kg/m³
pH (50 g/l H ₂ O, 20°C)	5 to 8
Binder system	CEMI and GGBS
Minimum GGBS content	50%
Dosing	Powder dosing unit into the mixer
Supplied as	1000kg polypropylene bulk bags
Storage temperature	5°C to 30°C
Shelf life	12 months from date of manufacture

PACKAGING

- 1000kg polypropylene bulk bags

STORAGE AND SHELF LIFE

12 months from date of manufacture when stored correctly, indoors and between 5°C and 30°C.

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/xpress.