



SP20

LIQUID SOLUTIONS

CONCRETE ADMIXTURES

SP20 is a high range water reducing superplasticiser liquid based on polycarboxylate technology. It gives water reduction of more than 20% and suits self levelling, self-compacting and low water to cement ratio precast concretes, as well as mortars, adhesives and grouts.

DESCRIPTION

What is SP20?

SP20 is a high range water reducing superplasticiser liquid. It is an extremely high efficiency anionic superplasticiser based on polycarboxylate technology, and its key function is as a high range water reducer.

SP20 has a very high deflocculation effect. Deflocculation means keeping cement particles separated rather than clumped together, and SP20 maintains this dispersed state for longer periods than conventional plasticisers. That gives high water reduction of more than 20%, very high early and final strength, and a mix that resists bleeding and segregation.

APPLICATIONS

- › Concretes
- › Self levelling systems
- › Self-compacting concretes
- › Precast concretes with low water to cement ratios
- › Mortars
- › Adhesives and grouts

KEY BENEFITS

- ✓ High water reduction of more than 20%
- ✓ Prevents bleeding and segregation
- ✓ Develops very high early and final strength
- ✓ Suitable for self levelling and self-compacting concretes
- ✓ Suitable for precast concretes with low water to cement ratios
- ✓ Good compatibility with OPC and blended cements and concretes



TECHNICAL DATA

Form	Colourless liquid
Type	High range water reducing superplasticiser, polycarboxylate based
Active polymer	20%
Ionic character	Anionic
Density at 20°C	1.06 g/cm³
pH	6.5 to 7.5
Water reduction	More than 20%
Typical dosage	0.5% to 0.9% by weight of cement (confirm by trials)
Storage	Dry environment, 5°C to 35°C
Shelf life	2 years when stored correctly

PACKAGING

Contact UKCP for current packaging options.

STORAGE AND SHELF LIFE

2 years when stored correctly in a dry environment between 5°C and 35°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/sp20.