

PRODUCT INFORMATION BULLETIN

DESCRIPTION

AD-TEK SH is a composite polycarboxylate hyperplasticizer (superplasticizer) for shotcrete applications.

AD-TEK SH significantly reduces water with improved slump of the shotcrete mix. Additionally, the hyperplasticizer increases viscosity of the mix providing the possibility to make larger layer thickness of shotcrete during one application.

AD-TEK SH provides increased workability time and pumpability with high early strength.

AD-TEK SH is in accordance with Australian Standard AS1478.1 – 2000 as a High Range Water Reducing Admixture.

ADVANTAGES

- Flowable shotcrete mixes without segregation.
- High water reduction: in a range of 20-40%
- Increased early and long-term strengths
- Improved rheological properties of the mixes
- Thicker shotcrete layer during one application
- Increased workability time and pumpability
- Faster progress in shotcreting
- Increased adhesion of shotcrete to rock and concrete
- Increased resistance to aggressive atmospheric conditions
- Decreased risk of shrinkage

TECHNICAL DATA (typical)

Appearance	Moderate viscose liquid
Colour	Light brown
Density at 20°C	1.08 kg/litre
pH value	Approx. 3.5
Chloride content	No added
TEA Content	None

APPLICATION

The maximum plasticizing effect or water reduction is obtained if **AD-TEK SH** is added into concrete after cement is wet out.

DOSAGE

The recommended dose rate is between 500 – 1600 ml per 100 kg of cement binder, depending on specific mix design and requirements.

The most effective dosage must be determined by trial.

PACKAGING

AD-TEK SH is available in 20-litre and 1000-litre containers and in bulk.

HEALTH AND SAFETY

AD-TEK SH contains no hazardous substances requiring labelling. For further information refer to the Material Safety Data Sheet.

STORAGE AND SHELF LIFE

AD-TEK SH should be stored at between 5°C and 40°C. In an unopened original container, it has a shelf life of one year.

Disclaimer: Any advice, recommendation, information, assistance or service provided by application is in good faith and is believed by AD-TEK PTY LTD to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by AD-TEK PTY LTD is provided without liability.