

PRODUCT INFORMATION BULLETIN

DESCRIPTION

AD-TEK HWR is a composite superplasticizer for concrete applications, providing high slump of concrete mixes.

AD-TEK HWR significantly reduces mixing water, promoting high early and ultimate strengths of concrete.

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

USES

- Precast concrete at job sites
- Prestressed concrete
- Sprayed concrete

BENEFITS

- High water reduction in a range of 15 to 30%
- Increased early and long-term strengths
- Improved rheological properties of the mixes
- Increased workability without segregation
- Increased resistance to aggressive atmospheric conditions
- Decreased risk of shrinkage

TECHNICAL DATA (typical)

Appearance	Viscose liquid
Colour	Dark brown
Density at 20°C	Approx. 1.2 kg/litre
pH value	Approx. 7.0
Chloride content	None added
TEA Content	None
Air entrainment	Slightly increases

APPLICATION

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

DOSAGE

The usually recommended dosage rate is between 500 – 1500 ml per 100 kg of cement binder, depending on specific mix design and requirements.
Pre-trial tests are a must.

PACKAGING

AD-TEK HWR is available in 20-litre containers, 1000-litre cubes and in bulk.

HEALTH and SAFETY

AD-TEK HWR contains no hazardous substances requiring labelling. For further information refer to the Material Safety Data Sheet. Please contact our technical department for further information.

STORAGE and SHELF LIFE

AD-TEK HWR should be stored at temperatures 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.