

PRODUCT INFORMATION BULLETIN

DESCRIPTION

AD-TEK WRAc is a water reducing and non chloride cement hydration accelerating admixture designed to provide water reduction and faster set acceleration with increased early strength development of concrete and mortar.

AD-TEK WRAc may be used as water reducing admixture for the cast-in-situ (premix) and precast concrete under cool winter conditions.

AD-TEK WRAc exceeds all requirements of Australian Standard AS1478.1 – 2000 for a Water Reducing and Set Accelerating Admixture.

USES

AD-TEK WRAc is recommended to be used as a water reducing admixture for winter time accelerating the finishing and setting time of concrete.

ADVANTAGES

- Improved workability
- Improved setting times of concrete in winter conditions.
- Water reduction and higher early strength.
- Reduced segregation of concrete mixes
- Improved pumpability
- Superior and earlier finishing of slabwork
- Faster demoulding
- Earlier structural use of concrete constructions
- Faster construction and earlier occupancy
- Energy saving in steam cured concrete
- Corrosion of steel is avoided
- Offset retarding effect of pozzolans
- Compatible with AD-TEK water reducing and other admixtures

DOSAGE

The recommended dose rate is between 300 – 1200 ml per 100 kg of cement binder depending on specific mix design and requirements.

Preliminary laboratory or field trials should be conducted to determine the required dosage rates.

APPLICATION

AD-TEK WRAc may be added to the concrete mix on the sand or in the water.

For greatest effectiveness, it is recommended to add **AD-TEK WRAc** at the end of the batch cycles.

AD-TEK WRAc should not come in contact with other AD-TEK admixtures prior to entering the concrete.

Place and cure concrete according to proper concrete procedures.

TECHNICAL DATA (typical)

Appearance	Aqueous solution
Colour	Light crimson
Density at 20°C	1.35 g/litre
pH value	Approx 7.2
Chloride content	None added
TEA content	Does not contain
Air entrainment	May increase

PACKAGING

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

HEALTH AND SAFETY

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

STORAGE AND SHELF LIFE

Can be stored for up to one year when stored in an unopened original container at between 5°C and 40°C.

Please contact our technical department for further information.

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.