

## PRODUCT INFORMATION BULLETIN

### DESCRIPTION

**AD-TEK WRR<sub>e</sub>** is a composite water reducing and set retarding admixture designed to produce concrete with improved water reduction and extended slump life.

**AD-TEK WRR<sub>e</sub>** retards the setting time of the mix to assist with easier placing and finishing of concrete.

**AD-TEK WRR<sub>e</sub>** combines the benefits of a normal water reducer and a mid range water reducer allowing to achieve and maintain 80 -130 mm slumps.

**AD-TEK WRR<sub>e</sub>** exceeds all requirements of Australian Standard AS1478.1 – 2000 as a Water Reducing and Set Retarding Admixture.

### USES

**AD-TEK WRR<sub>e</sub>** is used to produce normal to medium performance concrete, where greater water reduction, workability and bleeding are needed.

**AD-TEK WRR<sub>e</sub>** is recommended to be used as a water reducing admixture for hot summer time.

### ADVANTAGES

- Water reduction for a given workability
- Mild to extended retardation
- Excellent for hot conditions
- Increased workability time better pumpability
- Increased bleed characteristics improving surface finish
- Reduced segregation of concrete mixes
- Increased strength and long-term durability properties
- Increased resistance to aggressive atmospheric condition
- Decreased risk of shrinkage and creep
- Economical due to cement reduction

### DOSAGE

The recommended dose rate is between 250 – 850 ml per 100 kg of cement binder depending on specific mix design requirements.

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

## APPLICATION

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

Place and cure concrete according to proper concrete procedures.

## TECHNICAL DATA (typical)

<b>Appearance</b>	Aqueous solution
<b>Colour</b>	Light brown
<b>Density at 200C</b>	1.1 kg/litre
<b>pH value</b>	Approx 5.1
<b>Chloride content</b>	None added
<b>TEA content</b>	None
<b>Air entrainment</b>	May increase

## PACKAGING

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

## HEALTH AND SAFETY

**AD-TEK WRRe** 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.