

## PRODUCT INFORMATION BULLETIN

### DESCRIPTION

**AD-TEK SR** is a shrinkage reducing admixture specially formulated to produce high performance concrete with greatly reduced drying shrinkage.

**AD-TEK SR** reduces the dry shrinkage of concrete by reducing the capillary tension of the pore water in concrete. Reductions in drying shrinkage can be obtained of up to 50% at one year and beyond.

**AD-TEK SR** meets all requirements of Australian Standard 1478.1-2000 as a Special Purpose Admixture.

### USES FOR

- all types of concrete where lower concrete drying shrinkage and curling is required
- bonded topping slabs, minimizing the difference in shrinkage between the new topping and the existing substrate
- watertight concrete in hydraulic constructions: dams, reservoirs, sewage treatment plants
- durable marine concrete.

### ADVANTAGES

- Allows greater joint spacing without increasing the risk of shrinkage cracking.
- Dramatically reduced drying shrinkage and curling.
- Significantly reduced cracking caused by dry shrinkage.
- Improved impermeability and as a result improved durability of concrete.
- Compatible with other AD-TEK admixtures.

### APPLICATION

**AD-TEK SR** should be added to the concrete mix during the batching process with the initial water to ensure complete distribution of the **AD-TEK SR** throughout the mix.

**AD-TEK SR** may also be added on site, but an additional mixing time of 5 minutes is required and the concrete should be visually checked for uniform consistency.

### DOSAGE

Recommended dose is 0.5-3.0% of cement weight.

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

## TECHNICAL DATA (typical)

<b>Appearance</b>	Moderate viscose, Transparent Liquid
<b>Colour</b>	Light yellow
<b>Density at 20°C</b>	Approx. 1.0 kg/litre
<b>pH value</b>	Approx. 10.8
<b>Chloride content</b>	None added
<b>TEA content</b>	None
<b>Air entrainment</b>	Reduces air content. A higher dosage of air entraining admixture may be required.

May also slightly retard concrete at low temperatures.

## PACKAGING

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

## HEALTH AND SAFETY

**AD-TEK SR** contains no hazardous substances requiring labelling.

For further information refer to the Material Safety Data Sheet.

## STORAGE AND SHELF LIFE

Can be stored 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.