

## PRODUCT INFORMATION BULLETIN

### DESCRIPTION

**AD-TEK Ligno R** is a water reducing admixture based on selected lignosulphonates, which allows concrete production with extended slump life and moderate retardation effect.

**AD-TEK Ligno R** is used to produce medium performance concrete, where water reduction with ease of placing and workability are required.

**AD-TEK Ligno R** exceeds all requirements of Australian Standard AS1478.1 – 2000 as a Water Reducing and Set Retarding Admixture.

### BENEFITS

- Higher slump without further water addition
- Increased workability time in hot weather
- Reduced rate of bleeding
- Reduced segregation of concrete mixes
- Increased strength and long-term durability properties
- Easy pumping, placing and burnish finish
- Increased resistance to aggressive atmospheric conditions
- Decreased risk of shrinkage and creep

### TECHNICAL DATA (typical)

<b>Appearance</b>	Aqueous solution
<b>Colour</b>	Brown
<b>Density at 20°C</b>	1.18 kg/litre
<b>pH value</b>	5-7
<b>Chloride content</b>	None added
<b>Air entrainment</b>	May slightly increase
<b>TEA content</b>	None

### APPLICATION

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

## DOSAGE

The recommended dose rate is between 200-400 ml per 100 kg of cement binder depending on specific mix design and requirements.

## PACKAGING

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

## HEALTH and SAFETY

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

## STORAGE and SHELF LIFE

One year when stored in an unopened original container 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.