

PRODUCT INFORMATION BULLETIN

DESCRIPTION

AD-TEK CI is a concrete admixture formulated to give extra service life to concrete structures by protecting the steel reinforcement from corrosion.

AD-TEK CI is a dual action inhibitor, which protects against both anodic and cathodic corrosion.

AD-TEK CI is especially effective against chloride-induced corrosion.

AD-TEK CI exceeds all requirements of Australian Standard 1478.1-2000 as a Special Purpose, Normal Setting Admixture

USES

AD-TEK CI is effective in inhibiting reinforcement corrosion in all types of concrete used in the construction of structures such as:

- Bridge decks
- Marine structures
- Parking garages
- Retaining walls
- Industrial plants
- Tunnels

BENEFITS

- Inhibits both anodic and cathodic corrosion.
- Corrosion inhibition in the presence of varying chloride concentration.
- No changes in concrete mix design required.
- Allows using potential corrosive materials in concrete mix, e.g. beach sand.
- Does not affect the hardened concrete properties.
- Extends the service life of reinforced concrete structures.

RATE OF USE

Recommended dosage is 2.0–4.0% of cement weight.

TECHNICAL DATA (typical)

Appearance	Moderate viscous transparent liquid with amine odour
Colour	Pale blue
Density at 20°C	1.07 kg/litre
pH value at 20°C	9-10
TEA Content	None
Air entrainment	May slightly increase at high dosage
Chloride content	None added

APPLICATION

Ad-Tek CI is best added to the freshly mixed concrete at the batch plant, but may be added to a ready-mix truck at the batch plant or at a building site — the mix water volume being reduced by 50% of the volume of **AD-TEK CI** added.

AD-TEK CI must never be added to the dry ingredients of a concrete mix. Pre-trial tests are always recommended.

PACKAGING

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

STORAGE and SHELF LIFE

Store at a temperature between 5°C and 40°C. Shelf life in an unopened original container is one year.

HEALTH AND SAFETY

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

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.