

PRODUCT INFORMATION BULLETIN

DESCRIPTION

AD-TEK WP is a unique chemical treatment for waterproofing and protecting concrete.

AD-TEK WP is specially designed as a concrete admixture which forms crystalline growth within the concrete resulting in significantly increases the concrete resistance to hydraulic pressure, making concrete dramatically waterproof.

AD-TEK WP is a chloride free admixture supplied in a fine powder form. It does not contain any chemicals that might cause undesirable significant side effects when used in conjunction with other typically used concrete admixtures.

AD-TEK WP is classified by AS 1478.1-200 as a Permeability-Reducing Admixture.

When **AD-TEK WP** was tested against similar products its waterproofing performance was at least equal to competitors' waterproofing products.

USES

- Water retaining structures
- Basements
- Water tanks
- Reservoirs
- Tunnels and mining underground structures

BENEFITS

- Maximises concrete waterproofing
- Increases durability of concrete
- Decreased shrinkage and cracking
- Does not affect water vapour permeability
- Improves abrasion resistance of surface
- Very cost effective

RATE OF USE

For waterproofing concrete, the recommended **AD-TEK WP** addition rate is 0.6-0.9% by weight of cement. A higher dose rate than 0.6% may create slight set retardation.

APPLICATION

AD-TEK WP should be added in a slowly rotating concrete mixer prior to charging concrete aggregates.

This technique minimises some small material loss which may occur with dusting during the first seconds of initial mixing.

The ingredients of **AD-TEK WP** are not toxic but inhalation is not recommended.

Concrete modified by **AD-TEK WP** does not require a special technique for curing if it not specified for structure type.

Note: The minimum cement content for concrete with AD-TEK WP is 320 kg per cubic metre.

A maximum recommended water:cement ratio is 0.45.

Under normal circumstances a water:cementitious ratio less than 0.42 is ideal.

PACKAGING, SHELF LIFE and STORAGE

AD-TEK WP is available in 10 kg paper bags. Available in small plastic pales (sizes on request) and in bulk on request.

AD-TEK WP has a shelf life of 12 months if kept in a dry store in sealed plastic pales. It should not be subjected to excessive pressure during storage in hot weather because of the risk of caking.

SAFETY INFORMATION

Detailed safety information is contained in each material safety data sheet, which can be obtained from our sales office.

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.