

PRODUCT INFORMATION BULLETIN

DESCRIPTION

AD-TEK PLUG is a one-component, rapid hardening plug composition for permanent stopping of water seepage and pressure leaks through cracks and construction joints in concrete, rock, wooden and masonry structures.

AD-TEK PLUG is a chloride free, ready for use grey powder based on Portland cement with special additives.

USES

AD-TEK PLUG can be used for the vertical, horizontal and overhead applications stopping water from static cracks and holes in:

- water storage tanks
- basements
- building foundations
- retaining walls
- sewers
- below ground car parks
- mines

BENEFITS

- mixed just with water or can be used as a dry powder
- stop water flow
- fast setting with rapid strength development
- permanent durable repair
- can be installed underwater
- high water-stopping power and hydraulic resistance
- good adhesion to repaired material
- non-toxic
- easy application

PROPERTIES

Appearance	Cementitious grey powder
Grain Size	Max 1.0 mm
Bulk density	App: 1.3 g/cm ²
Initial setting time	30 seconds (after mix)
Temperature for application	From 5 to 40 deg Celsius
Compressive strength (MPa)	- 60 min: 7.6 - 1 day: 26.7 - 28 days: 36.4
Flexural strength (MPa)	28 days: 7.7
Bond strength (MPa)	28 days: 6.8

INSTRUCTIONS FOR USE

AD-TEK PLUG can be dry applied as a powder or applied by hand as a putty consistency after mixing with water by spatula:

1. The repaired materials must be cleaned of oily substances, dust and dirt.
2. Thoroughly and quickly mix the powder and water for no more than 60 seconds in approx. mass ratio of 3 to 1. Some heat will be released.
3. Mix only the quantity that can be immediately applied by gloved hand or trowel.
4. Quickly place the mixed mortar firmly into the leaking voids and hold in place with a gloved hand or trowel until the mortar is sufficiently hard to remain in place.
5. When the leak is completely stopped, a 2-3 mm layer of AD-TEK R can be applied over the AD-TEK Plug mortar.
6. If the water pressure is very high and dislodges the applied mortar, use a timber plug or similar which can then be covered and secured with AD-TEK Plug mortar.
7. All tools must be cleaned with water after use. Hardened AD-TEK Plug can only be removed mechanically.

HANDLING PRECAUTIONS

- Protective gloves and clothing are recommended.
- Avoid contact with the skin.
- The Material Safety Data Sheet is available on request.

PACKAGING, SHELF LIFE and STORAGE

AD-TEK PLUG is available in 5 or 15 kg plastic pails.

AD-TEK PLUG has a shelf life of 12 months if kept in a dry store in sealed plastic pails.

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.