

## PRODUCT INFORMATION BULLETIN

### DESCRIPTION

**AD-TEK Grout C** is a non-shrink, non-metallic, free-flowing cementitious, high-strength structural grout.

**AD-TEK Grout C** is a volume stable grout containing a balanced blend of Portland cement, graded silica sands, flow improvement compounds, and a shrinkage compensating system.

**AD-TEK Grout C** is supplied as a dry powdered product which only requires mixing with water for use in grouting and levelling in a wide range of applications with gap widths of 10-100 mm.

### USES

- Micro-concreting for concrete repair and construction work
- Floor levelling
- Heavy duty base plate grouting
- Machine bedplate
- Crane rail soleplates
- Bridge bearings
- Structural column grouting
- Cavities, gaps and recesses
- Anchor bolts
- For application where gas generation curing plastic expansion is undesirable e.g. hydrogen generation in underground mine applications

### BENEFITS

- No shrinkage
- High early and ultimate strength
- Excellent flow characteristics
- Pumpable
- Long work time
- Chloride free
- Non-staining

Expansion process is not facilitated by hydrogen gas generation  
Class "C" grout according to MP 20, Part 3 – 1977.  
Effective life of correctly applied product is greater than 10 years.

## PROPERTIES

<b>Potlife at 20°C</b>	30-40 minutes
<b>Initial Set</b>	5 hours at 20°C (flowable)
<b>Final Set</b>	7 hours at 20°C (flowable)

Consistency	Water Addition (litres per 20 kg of AD-TEK GROUT C)	Compressive Strength, MPa (AS 2073)			Yield (litres per 20 kg of AD-TEK GROUT C)
		1 day	14 days	28 days	
Trowell-able	2.5-2.7	55	83	91	10.4
Flow-able	3.3-3.5	43	75	82	10.9

Notes:

1. The above tests were carried out at 20°C.
2. Compressive strengths were obtained at bottom end water; e.g. the 28 day strength of 91 MPa for trowellable consistency was obtained at 2.5 litres water per 20 kg bag of **AD-TEK Grout C**.

## INSTALLATION (Refer to the MSDS before applying)

- **AD-TEK Grout C** must be applied to a clean surface free of contaminants.
- Bolt holes and fixing pockets should be free of dirt and debris.
- **AD-TEK Grout C** must be applied to a wet, puddle-free surface.
- A mechanical grout mixer is recommended.
- **AD-TEK Grout C** is placed by either gravity flow or by pump.
- Mixed grout is poured one side of the void to avoid air entrapment.
- Grout is best poured over short distances to ensure this.
- When pumping **AD-TEK Grout C**, a positive displacement pump is recommended.
- To facilitate grout compaction, use tamping, rodding or flexible strapping.
- Do not vibrate, as this will cause segregation.
- Recommended thickness of **AD-TEK Grout C** in one pour is 20 to 50 mm.
- Minimum thickness is 10 mm, maximum – in one pass is 100 mm.

## CURING

**AD-TEK Grout C** exposed areas should be thoroughly cured.

This should be done by the use of a concrete curing membrane, continuous application of water or covering with wet hessian.

## PACKAGING, SHELF LIFE and STORAGE

**AD-TEK Grout C** is available in 20 kg moisture resistant pales.

**AD-TEK Grout C** has a shelf life of 12 months if kept in a dry store in unopened sealed pales.

## SAFETY

Thoroughly read the MSDS before application.

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.