

PRODUCT INFORMATION BULLETIN

DESCRIPTION

AD-TEK VMA is a composite viscosity modifying admixture developed for producing concrete with enhanced viscosity and controlled rheological properties.

AD-TEK VMA significantly increases concrete resistance to segregation and facilitates its placement and consolidation.

AD-TEK VMA stabilises the air void system in freshly mixed and placed concrete and increases the overall concrete stability.

AD-TEK VMA exceeds all requirements of AS 1478.1 - 2000 for Type SN admixtures.

USE

- Pumped concrete
- Super workable concrete
- Self-compacting concrete
- Lean concrete mixtures
- Concrete with “gap-graded” aggregates
- Concrete with manufactured sand
- Low fines content concrete
- Shotcrete

ADVANTAGES

- Enhances pumping, workability and finishing
- Provides concrete stability during transport and
- Ease of placement
- Reduced tendency to segregation
- Faster concrete compaction
- Enhances surface appearance
- Reduces compaction defects
- Does not affect the strength of concrete.

TECHNICAL DATA (typical)

Appearance	Aqueous polymer solution
Colour	Light brown
Density at 20°C	1.0 kg/litre
pH value	6.0 - 8.0
Chloride content	None added
TEA content	None
Air entrainment	May slightly increase air content at high dose rate.

DOSAGE

The recommended dose rate is between 100 – 1000 ml per 100 kg of cementitious depending on specific mix design and requirements.

A dosage of 100-500 ml/100 kg is recommended for typical concrete mixtures to improve pumping and finishing procedures.

A dosage of up to 1000 mL/100 kg is recommended to provide stability in super workable self-compacting concrete mixtures.

Preliminary laboratory or field trials should be conducted to determine the required dosage rates.

APPLICATION

AD-TEK VMA is typically added into concrete with the initial mix water or may be added on-site into the concrete mixer. When added on site the truck mixer shall rotate its drum for a minimum of 5 minutes to achieve a uniform mix.

COMPATIBILITY

AD-TEK VMA is compatible with other AD-TEK admixtures used in the production of quality concrete.

PACKAGING

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

HEALTH AND SAFETY

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

STORAGE AND SHELF LIFE

Can be stored for up to one year when stored in an unopened original container at 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.