

# Select MixM8

## Mid-range water reducing / superplasticising admixture

### MATERIAL DESCRIPTION

**MixM8** is an innovative generation of polycarboxylic ether polymer superplasticizer with improved slump retention and workability properties.

MixM8's rapid interaction with cementitious particles promotes efficient dispersion effects making the concrete more workable and easier to pump.

As a result, this product can result in reduced labor cost, decreased project completion time and more compact and durable concrete products.

MixM8 complies with AS1478.1 (2000) Mid-Range Water-Reducing agent (MWR).

### AREAS OF APPLICATION

- **MixM8** is ideal for concrete mixes intended for post-tensioned concrete applications such as suspended slabs in multi-story and high-rise buildings, prestressed beams, and bridge deck construction.
- **MixM8** is also suitable for making precast elements for which the concrete is to achieve the required strength overnight for rapid production and formwork removal and installation.
- **MixM8** may be used in combination with other Select admixtures for producing self-compacting concrete which is normally used in the presence of dense reinforcement, restricted access for concrete placement.

### CHARACTERISTICS AND BENEFITS

**MixM8** offers the following benefits to the concrete materials by:

- Making concrete mixes with a low water/binder ratio;
- Extended slump retention time;
- Optimising curing cycle and improved concrete maturity;
- Reducing heat of hydration and control thermal cracking at early-ages;
- Increasing production cycle time;
- Preventing concrete surface flakiness and improving appearance; and,
- Improving concrete engineering properties

### PROPERTIES

Appearance: Light brown liquid.	
SG	1.03 ± 0.02
pH	7.00 ± 1.0
NVM % w/w	18.0 ± 2.0
Alkali (Na <sub>2</sub> O equivalent) % w/w	≤ 0.5 ± 0.1
Chloride ion (Cl <sup>-</sup> ) % w/w	≤ 0.005 ± 0.001
Sulphate (SO <sub>4</sub> ) % w/w	≤ 0.05 ± 0.02

### PREPARATION

**MixM8** is a liquid admixture that is normally added to concrete during the mixing process either at the batch plant or on the project site.

At the batch plant, **MixM8** may be added with the initial batch water, however, the best results are obtained when the admixture is added after at least 70% of the water content is added and after all the other ingredients are already in the mixer. When added to the mix, allow 4-5 min mixing for thoroughly distributing the admixture.

Avoid adding **MixM8** to dry ingredients. Concrete which has lost slump may be re-tempered with **MixM8** provided initial setting has not started.

### DOSAGE

The recommended dosage is 300 to 1000 ml per 100kg of cement (binder) and any material passing the 0.15mm sieve (fines from aggregates or fillers) used for producing super-workable and self-compacting concrete.

Other dosages may be used in special cases according to specific job site conditions. Consult your Select technical sales representative for further advice.

### COMPATIBILITY

**MixM8** is compatible with most Select admixtures providing they are added separately to the mix.

**MixM8** is compatible with the Select viscosity modifying admixtures (VMAs).

**MixM8** is not compatible with admixtures containing sulphonated naphthalene formaldehyde condensate.

**MixM8** may have a synergistic effect with air entraining admixture (AEA) significantly increasing the amount of entrained air.

Trials are recommended before using these combinations.



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It is recommended that any admixture or combination of admixtures is trialed with the actual mix ingredients to verify concrete performance before commencing full scale production.

For further information, consult your Select technical sales representative.

### PACKAGING

**MixM8** is available in bulk, 1000 litre tanks and 20 litre drums.

### SHELF LIFE

Store only in the original container in a cool, dry and well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

**MixM8** has a shelf life of 12 months. **MixM8** should be recirculated before use.

### PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, download a copy of MixM8 Safety Data Sheet (SDS) from Select website.

## DISCLAIMER

Select-MixM8-ANZ-V2-1015

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