

# OPTOMIX REGEN 9000

## Truck Wash Stabilising Admixture

### PRODUCT DESCRIPTION

**Optomix ReGen 9000** is a concrete set control agent which has been developed to control hydration in residual concrete for up to 72 hours. The length of hydration control is dependant upon the dosage which is added directly to the concrete truck mixer drum. **Optomix ReGen 9000** allows the re-use or recycling of the concrete through a regeneration of plasticity of the mixed or returned concrete, e.g. enabling use after overnight storage.

### APPLICATIONS

**Optomix ReGen 9000** is recommended for use in all types of concrete where moderate to extended delay of set times is required. **Optomix ReGen 9000** is used for controlling hydration in concrete wash water, returned plastic concrete and fresh concrete for travelling.

### BENEFITS

- Environmentally friendly.
- Reduced waste concrete.
- Increased set times.
- Increased strengths.
- Controlled hydration.

### PROPERTIES

Nature:	Liquid
Appearance:	Dark Brown
Specific Gravity: (20°C)	1.16 g/cm <sup>3</sup>
pH:	10.0
Chloride Content:	< 0.10
Alkali Content (Na <sub>2</sub> O):	< 4.00

### ADDITION RATES

Dosage rates should be added to the truck mixer with the addition of 200 litres of water:

For **overnight** hydration control **1.50** litres per truck

For **weekend** hydration control **3.00** litres per truck

### STANDARDS

**Optomix ReGen 9000** complies with the requirements of BS EN 934-2 and is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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### COMPATIBILITY

Optomix ReGen 9000 is compatible with all types of EN197 cement systems.

Optomix ReGen 9000 should not be pre-mixed with other admixtures and should be batched separately.

### STORAGE

Optomix ReGen 9000 should be stored undercover and protected from extreme temperatures, if stored between the range 5°C to 30°C the product will have a minimum shelf life of 12 months.

### HANDLING

Please refer to the **Optomix ReGen 9000** material safety data sheet but in line with normal handling procedures, personal protective equipment should be worn.

Refer to the Material Safety Data Sheet for full details.

### PACKAGING

200 litre drums, 1000 litre IBC's and bulk deliveries.

### NOTES

**Overnight Stabilisation:** add **1.50** litres of **Optomix ReGen 9000** together with 200 litres of water to the concrete truck mixer containing either the wash water or any returned concrete. The truck must then be remixed to ensure full dispersion throughout the concrete and the wash water.

**Weekend Stabilisation:** add **3.00** litres of **Optomix ReGen 9000** and 200 litres of water to the concrete truck mixer containing the returned concrete. The truck must then be remixed to ensure full dispersion throughout the concrete.

After leaving overnight or over the weekend the mix needs to be reconstituted by the addition of approximately 1.5 of fresh concrete. Ensure that the mixing water is reduced by 200 litres to compensate for the initial water addition. This will ensure that the retardation effect is absorbed throughout the new concrete. For concretes containing CEM I, a minimum cement content of 300 kg/m<sup>3</sup> is recommended. For concrete containing CEM II/A-L(L) this figures should be increased to 330 kg/m<sup>3</sup>.

Please consult the OSCRETE technical department for advice on admixture selection.

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#### Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.

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