

# OSREL BIOLEASE

## Water Based Emulsion Release Agent

### PRODUCT DESCRIPTION

**Osrel Biolease** is a high performance water based vegetable oil emulsion. The specially formulated blends of oils provide superior release properties through its high actives creating a stable emulsion that provides excellent release properties while minimising surface blemishes and formwork build-up. **Osrel Biolease** is supplied as an aqueous emulsion ready for direct application, it aids the escape of air from the mould surface during placing and vibration, this in turn minimises surface blemishes.

### APPLICATIONS

**Osrel Biolease** provides quick, clean and easy stripping of all types of steel, wooden and polyurethane moulds and formwork, it is formulated to dramatically reduce residual cement build up on moulds surfaces which ensures a high quality fair faced and stain free finish.

### BENEFITS

- Entirely biodegradable.
- Clean release.
- Contains no mineral oils or paraffins.
- Minimal cleaning of the mould.
- Low viscosity.
- Non-staining.
- Solvent free.

### PROPERTIES

|                          |                        |
|--------------------------|------------------------|
| Nature:                  | Liquid                 |
| Appearance:              | White                  |
| Specific Gravity: (20°C) | 1.01 g/cm <sup>3</sup> |
| Viscosity: (cP @40°C)    | 1.2                    |

### ADDITION RATES

Coverage will depend on the type of mould or formwork and will be best determined by carrying out spraying trials prior to a full production run:

Typical coverage per litre:

20—50m<sup>2</sup> per litre (spray applied)

**Osrel Biolease** can be applied using conventional hand pump or airless spray equipment. Wet concrete applications may require ragging or mopping after spraying to ensure optimum film thickness. When using spray equipment ensure the correct nozzle size is used to achieve optimum atomisation.

### DRYING TIME

Allow the applied release agent to dry before placing concrete. Drying time may vary depending on temperature, humidity, and surface material, but typically ranges from 15 to 60 minutes.

### STANDARDS

**Osrel Biolease** is produced in accordance with the ISO 9001 Quality Management Standard.



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### COMPATIBILITY

**Osrel Biolease** is compatible with all types of EN 197 cement systems and is compatible for use with all Oscrete admixtures.

### STORAGE

**Osrel Biolease** should be protected from extreme temperature, frost and direct sunlight, if stored unopened within the range 5°C—35°C the product will have a minimum shelf life of 12 months.

### HANDLING

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

### PACKAGING

200 litres drums, 1000 litre IBC's.

### NOTES

**Osrel Biolease** is non-irritant to skin, however, if spraying material care should be taken not to inhale particles. It is advisable to use a mask if application is by pressurised sprayer. Best results are achieved by using fine or airless spray systems between 4 & 6 bar pressure. A nozzle size between 0.6—0.8mm with an oval orifice will give a optimum spray pattern.

The nozzle should be approximately 40-80cm from the form face during application and an even coverage of the form face should be achieved.

Over application of the release agent will reduce the efficiency of the release and may allow cement deposits to develop on the mould sides. Ensure that the material is applied as thinly and as evenly as possible.

For new unsealed timber forms, pre-treatment is recommended with a second coat applied prior to use.

### CLEANING & DISPOSAL

Equipment can be cleaned with water, spillages can be a slip hazard and should be absorbed onto an absorbent material, e.g. vermiculite and then transferred to suitable containers for disposal. Remnants should then be hosed down with water.

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

OSCRETE UK Limited  
Rutland Street  
Bradford  
West Yorkshire  
BD4 7EA  
United Kingdom

Telephone: +44 (0)1274 086299  
E-mail: [technical@oscrete.com](mailto:technical@oscrete.com)  
Website: [www.oscrete.com](http://www.oscrete.com)

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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.

