



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

Biolease Standard Data Sheet

Specification notes

Product: **Biolease Standard**

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Biolease Standard

Environmentally Friendly Concrete Mould Release Agent

Description

Biolease Standard is a blend of bio-degradable vegetable oils emulsified in water and is designed for use in general site operations and pre-cast yards. The oil forms a physical barrier between the form and the concrete with the surfactant working in conjunction with the alkalinity of the concrete to produce a high standard of finish.

Advantages

- VOC free and low odour.
- Non-flammable.
- Safe to use and environmentally friendly.
- Readily bio-degradable.
- Clean equipment with water.
- Non-staining, suitable for white or coloured concrete.
- Easy to apply by spray or brush.
- Not easily washed off by rain.
- Forms may be stripped early when concrete permits.
- Suitable for the application of other coatings, sealers and mortars.

Technical Information

Composition	Vegetable oil and biodegradable surfactants.
Viscosity	100-200 cps
Flash point	N/A
S.G. at 20°C	1.0
Coverage	25-45m ² /litre
Freezing Point	0°C
Colour	Off-white
Storage	12 Months in frost free environment.

Approved by WRAS for use with potable/wholesome water.

Tested in accordance with BS6920:2000.

Note: Coverage will depend on surface porosity and texture.

Application Instructions

An even thin film of Biolease Standard should be applied by either low pressure spray, brush or an absorbent applicator. Applications should be performed a minimum of 1 hour prior to concrete installation, allowing the evaporation of the water phase, leaving a clear oily film. Over application should always be avoided, particularly on steel moulds as this can potentially pool, trapping the water phase and accelerate rust formation.

Consideration should be given to re-application if the coated formwork if stored for more than 14 days in an exposed environment. On vertical forms excess material accumulating at the bottom of the form should be removed. On untreated timber surfaces additional coats may be required.

Do not use below 5°C.

Storage

Biolease Standard should be stored at normal temperature, out of reach of children and away from foodstuffs. Shelf life of 12 months when stored in unopened containers. Roll or agitate container prior to use and especially important after long storage periods. Protect from frost.

Health & Environmental Considerations

Biolease Standard is produced from Vegetable oil emulsified using biodegradable surfactants. It is regarded as biodegradable. Biolease Standard is non-toxic and is therefore safer for the operative than more traditional concrete release agents.

Biolease Standard will not cause pollution of ground water.

Packaging

Biolease Standard is available in 25 litre and 210 litre drums and in 1000 litre bulk tanks.



Technical Note

Biolease Standard, when used in accordance with the stated recommendations, does not cause staining. Concrete “staining” can be caused by a number of factors on which our technical department can advise.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors. Technical representatives are available to provide further information and arrange demonstrations.

