



Bio-release Concentrate

Concentrated high performance 'green' mould release agent. Ideal for dilution with water at site or at the plant. The fully blended product provides a bio-degradable and ecologically friendly mould oil derived from vegetable oils. Completely non toxic and non irritant to the skin.

Uses

- To provide an economical and effective mould oil convenient for mixing at the construction site or precast plant
- The diluted oil provides quick and easy stripping of steel and wood moulds and formwork.
- Will ensure high quality fair faced and stain free concrete surface finishes.

Advantages

- Fast and convenient mixing
- Reduces stock and storage costs at site or plant
- Less wastage and loss
- Entirely bio-degradable - does not contain any toxic products, mineral oils or paraffins
- Minimises cleaning prior to re-use due to clean release

- Ensures good fair faced concrete with reduced blowholes
- Non staining, can be used with white cement
- Inhibits corrosion of steel formwork

Description

Bio-release concentrate is a specially formulated blend of vegetable derived oils and esters and has superior release properties to those of conventional mould oils. The product is supplied as a liquid ready for mixing with clean water to provide a cost effective and highly efficient mould oil.

Typical coverage rates

Coverage of around 35- 60m²/litre dependent on the type of surface being treated (i.e. metal, wood, plastic, etc) and the thickness of application compatible with 'wet' or 'dry' concrete processes.

Bio-release Concentrate Properties

Nature	Liquid
Colour	Yellow
Specific Gravity	ca. 0.95
Pour point °C	-2
Active solids	100%

Instructions for use

To produce a 13% solids version: Bio-release Concentrate should be warmed to a temperature of 25C to dissolve any emulsifier that may have precipitated during storage. Place 4 parts of hot water (50 C)



Instructions (continued)

and 1 part of the Bio-release

Concentrate in a mixing vessel and stir vigorously for 5 minutes. Allow to cool to 30C whilst continuing to stir. Add a further 2 parts of cold water.

The solution should then be agitated with a slow speed stirrer for 3 minutes or smaller quantities (25ltrs) can be mixed by hand.

The fully mixed material can be used immediately or stored. It can be applied using conventional spray equipment, brush or sponge. 'Wet' concrete applications may require 'ragging' after spray application for the best possible surface finishes.

For best results when spraying the diluted Bio-release mix, ensure the correct nozzle size is used and that the oil is applied in a continuous, even film.

Precautions

Refer to the Material Safety Data Sheet for the product.

Bio-release Concentrate is a bio-degradable mould oil. It is ecologically friendly and derived from vegetable oils and is non-irritant to the skin.

However if spraying the material, care should be taken not to inhale the particles. Red Rock suggest the use of a mask if application is by pressurised sprayer.

The above details have been compiled to the best of our knowledge on the basis of thorough tests and our practical experience of the product performance. However, due to the fact that Redrock has no direct control over where or how its products are used, Redrock offers no guarantees nor accepts any liabilities deriving from or in connection its products nor with information given in this leaflet. Redrock products are sold subject to its standard terms and conditions, copies of which may be obtained on request or viewed on the website: www.redrock-uk.co.uk.

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Packaging

Bio-release Concentrate is supplied in 25 litre kegs, 200 ltr drums or in 1000 litre IBC.

Storage

Bio-release Concentrate should be stored at a temperature of 5-30°C. Keep both the concentrate and the blended materials from frost.

Bio-release Concentrate has a shelf life of at least 12 months when stored in its original unopened containers. If stored unused for over 6 months ensure full remixing by thorough agitation before use.

If the diluted and mixed material is left unused for more than one day ensure complete agitation to ensure full blending of the oils.

Always re-seal container after 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.

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