



GB Unibio® Mould Release Agent, a readily biodegradable mould release oil, specially formulated to provide high quality surface finish and easy release for concrete formwork.

CHALLENGE:

Customer manufacturing concrete coastal barriers has had issues using a competitor oil with poor release properties causing damage to the finished product.

- Due to the end application of the concrete barriers, a readily biodegradable product is required as to not negatively affect the surrounding environment.
- Poor release from moulds leads to excessive damage to the finished product in the form of pitting and improper separation which can cause faults.

SOLUTION:

Develop a new product using only readily biodegradable raw materials allowing for quick mould release and limiting damage caused by pitting.

- Ensuring the new product will have complete coverage across the mould.
- Inadequate coverage can often lead to pitting as there is not a sufficient chemical barrier between the mould and the concrete.
- Using high quality, readily biodegradable raw materials without compromising performance when compared with conventional products.

OUTCOME:

Customer trialled GB Lubricants' product that improved quick release performance and left the concrete with a high-quality finish.

- Reduced levels of pitting compared to a competitor's product were noted by the customer as well as having no presence of staining, leading to a smoother final appearance.
- Customer stated that the product worked well on large-scale structural concrete elements all the way down to small concrete casts with consistent performance.

BENEFIT:

Greater quick release performance leads to less pitting, physical and structural damage to the end product, a smoother final finish and appearance, and reduced working time that can be caused by slow release. Overall, GB Unibio® Mould Release Agent creates higher quality products and greater profits, whilst using only readily biodegradable materials and bringing no negative effects to the surrounding environment.

GB Unibio® Mould Release Agent

Readily Biodegradable Mould Release Oil

- Produced for use in environmentally vulnerable applications whilst remaining suitable for a wide range of mould materials and providing a stain-free, high-quality surface finish.
- Formulated utilising fully biodegradable raw materials, including vegetable oils.
- Easily applied by brush, swab or roller as well as by spray without clogging the application apparatus.



AVAILABLE PACK SIZES:

- 25L drum
- 205L barrel
- 1,000L IBC
- Bulk filling tank

