

PREMIUM QUALITY CONCRETE RELEASE AGENT

BIOFINISH GOLD

TECHNICAL DATA

1.0 DESCRIPTION

BIOFINISH GOLD is a water-based concrete release agent that creates a bond-breaking film which reduces the adhesion between the concrete and the form. It is designed for high quality architectural concrete where surface defects must be minimised. Released concrete is clean with a minimum of voids or other surface defects. It is VOC compliant (free from solvents). BIOFINISH GOLD is ready to use as supplied.

2.0 PHYSICAL PROPERTIES

2.1 Colour	Milky white
2.2 Specific Gravity	1.0
2.3 Flashpoint	Not flammable
2.4 Viscosity	Low (Sprayable)
2.5 Toxicity	Non-toxic
2.6 D.G. Classification	Not regulated
2.7 Shelf Life	12 months in original sealed containers below 35°C
2.8 Coverage	40 to 80m ² /litre. Coverage is approximate depending on the porosity and type of form. DO NOT overapply.
2.9 Min. App. Temperature	5°C

3.0 USES & BENEFITS

3.1 USES

BIOFINISH GOLD is effective on most moulds and formwork, and is recommended for steel moulds used to produce high quality precast. Will not stain or discolour concrete when correctly applied (see application/precautions)

Readily biodegradable - use in concrete manufacture in areas where oil and diesel based release agents cannot be used.

Use for horizontal and vertical cast concrete applications.

3.2 BENEFITS

Produces a smooth, clean release with a minimum of voids and other surface defects. Suitable for releasing architectural grade concrete.

Reduced dust build-up on moulds resulting in a cleaner mould and reduced cleaning between pours. Reduces wear on mould and helps to maintain an excellent fairface surface.

VOC compliant - can be used indoors and outdoors.

Reduced health and environmental risks - classified as non-hazardous under NZ HSNO legislation.

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TECHNICAL DATA Continued

4.0 APPLICATION

- 4.1 Ensure all forms are thoroughly clean and free of water, dust, dirt or residues (including other release agents - clean thoroughly before switching to BIOFINISH GOLD) that might transfer to the finished concrete or interfere with the BIOFINISH GOLD application and/or release.
- 4.2 Test release properties on porous forms before proceeding.
- 4.3 Apply a thin even film by airless spray before placing reinforcement. Ensure form is completely covered but **DO NOT OVERAPPLY**. Wipe up any runs or puddles. Excess material may cause adverse effects to the concrete surface. Allow to dry completely before placing reinforcing or pouring concrete.
- 4.4 If form is subjected to rain or water contact prior to concrete pour; clean form and reapply a thin film of BIOFINISH GOLD.

4.5 PRECAUTIONS

DO NOT dilute. Avoid freezing - store away from frost.

BIOFINISH GOLD is for use in the release of precast concrete. It is not suitable for tilt-up or sandwich panels and not recommended for general site release work.

DO NOT OVERAPPLY. Excess material may cause adverse effects to the concrete surface.

For non-standard concrete mixes, including those with special admixtures, pigments and other additives, test for release properties and final appearance.

Marks (including polishing or cleaning marks on steel forms, dents, etc.), contamination, etc. present on the form may show on the concrete surface once the concrete is released. Ensure the formwork is clean and free from contamination and surface defects before use and between uses.

Refer to Material Safety Data Sheet for handling and first aid information.

5.0 PACKAGING

4, 20 and 200 litres.

Refer to Material Safety Data Sheet for handling and first aid information. Refer to product label and this datasheet for instructions.

