

# GEL CONCRETE RELEASE AGENT FOR COMPLEX FORMS. ABRASION RESISTANT.

## BIO-GEL



### TECHNICAL DATA

#### 1.0 DESCRIPTION

BIO-GEL is a chemically active form release agent with a gel-like viscosity designed for complex formwork or where normal liquid release agents are removed due to the abrasive action of flowing concrete. BIO-GEL does not contain Diesel.

#### 2.0 ADVANTAGES & BENEFITS

BIO-GEL:

- Is designed for complex formwork where normal release agents will not work.
- Can be used on formwork subject to abrasion such as rotating concrete pipe moulds and slip-forms.
- Is effective on all types of moulds and formwork (check rubber & plastic prior to use).
- Increases the life of wood forms by impregnating the timber rendering it water-resistant and preventing deterioration.
- Is recommended for complex forms used in precast concrete manufacture.
- Will not stain or discolour concrete
- Can be used on steel, wood and composite formwork.
- Does not contain Diesel and is biodegradable over time.

#### 3.0 PHYSICAL PROPERTIES

3.1	Colour	Light golden
3.2	Specific Gravity	0.8
3.3	Flash Point	> 100°C
3.4	Viscosity	Gel-like
3.5	Toxicity	Non toxic - based on Bio-Form release agent
3.6	D.G. Classification	Not Regulated
3.7	Shelf Life	Unlimited in original sealed containers.
3.8	Coverage	Coverage will vary depending on porosity of surface. Apply thinly on non-absorbent surfaces.

#### 4.0 USES

BIO-GEL is effective on all types of moulds, formwork and complex forms (test on plastic/rubber & aluminium forms prior to use). BIO-GEL is designed to be used on forms where flowing concrete removes ordinary release agents resulting in sticking and where ordinary release agents run off the form (for example, complex internal corners). It is also recommended for architectural and precast concrete forms.

BIO-GEL should not be used on concrete where subsequent coatings (such as paint) or adhesives are to be applied.



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## TECHNICAL DATA Continued

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### 5.0 APPLICATION

- 5.1 Application is preferably by brush, mop, sponge or cloth. BIO-GEL should be well brushed out to obtain the most economic and effective results.
- 5.2 BIO-GEL will not dry on non-absorbent surfaces, so do not over apply.
- 5.3 Surfaces to be treated should be reasonably clean and free of all water, dust and dirt or residues that might transfer to the final concrete surface.
- 5.4 Once treated, formwork should be protected from dust and dirt build-up. BIO-GEL is a very water repellent gel and therefore has better weather resistance compared to liquid form release agents.
- 5.5 BIO-GEL should be applied to the formwork prior to each use.

### 6.0 PACKAGING

4 and 20 litre containers.

### 7.0 SAFETY & PRECAUTIONS

Read labels before use.

BIO-GEL is not to be used for tilt-up or sandwich type release. Refer to the DISCRETE data sheet for these types of release.

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.

DO NOT over apply. Wipe up any excess material.

DO NOT use on plastic or similar forms without first testing for compatibility as BIO-GEL may cause softening or damage to these types.

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



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