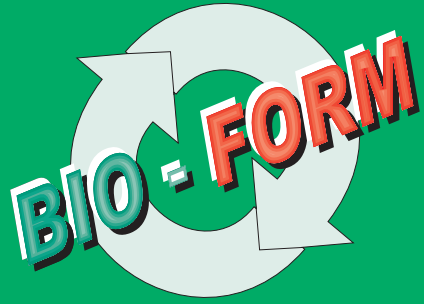


RELEASE AGENT FOR CONCRETE FORMWORK

BIO-FORM



TECHNICAL DATA

1.0 DESCRIPTION

- 1.1 BIO-FORM is a diesel-free concrete release agent which reacts with the alkaline products of setting cement to form insoluble soaps. These soaps prevent any bond developing between the concrete and formwork and ensure a clean, even, blemish free surface with minimum voids.
- 1.2 BIO-FORM has been formulated to provide users with a diesel-free, non-waterbased release agent providing the same release properties as DISCRETE and FRE-FORM.
- 1.3 BIO-FORM does not affect the natural bonding characteristics of paint, plaster, and other cementitious coatings. On surfaces not subjected to weathering, (e.g. interior) wash the surface with water containing a little detergent, or brush down thoroughly.

2.0 ADVANTAGES & BENEFITS

User and Environment

BIO-FORM is simple to use and free of sulphur and aromatics.

BIO-FORM is non-toxic when proper handling procedures and precautions are followed (see MSDS).

BIO-FORM contains no petroleum based diesel and is therefore safer to handle and use on a daily basis than other release agents.

BIO-FORM is almost odourless, meaning less complaints regarding clothing contamination and reduced odour when sprayed.

BIO-FORM is essentially non-irritating to skin under proper use. Users are unlikely to develop rashes when in contact with BIO-FORM. Proper protective clothing and gloves are recommended when applying.

BIO-FORM flash point is over 150°C and is therefore not restricted for transport or storage.

Concrete Release

Produces a clean white release with a minimum of voids.

May be used with steam curing or heated forms.

Maintains the surface of steel moulds – no build-up of residue.

BIO-FORM does not affect the natural bonding characteristics of paint, plaster and other cementitious coatings.

Increases the life of wooden forms and prevents rust on steel forms.

Will not stain or discolour concrete.

Ready to use as supplied.

Is not waterbased, and will therefore not wash off forms when exposed to showers or light rain.



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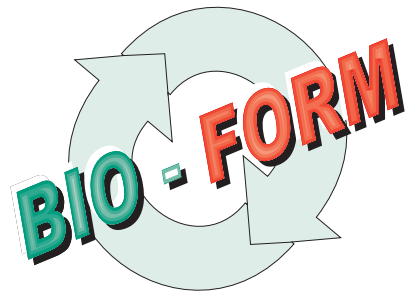
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BIO-FORM

TECHNICAL DATA Continued

3.0 PHYSICAL PROPERTIES

3.1 Colour	Transparent golden
3.2 Specific Gravity	0.87
3.3 Flash Point	>150°C (Abels Closed Cup Flash Point (ASTM D93))
3.4 Viscosity	Very low (Sprayable)
3.5 Toxicity	Non toxic when used as directed.
3.6 D.G. Classification	Not Regulated
3.7 Shelf Life	Unlimited in original sealed containers
3.8 Coverage	Timber Formwork.....up to 19m ² /litre Metal Formwork.....up to 40m ² /litre

4.0 USES

BIO-FORM is effective on all types of moulds and formwork, including steam curing or heated forms (except polystyrene, latex and some plastics - check before use as BIO-FORM may soften or melt some plastics/rubber).

BIO-FORM may be sprayed daily onto mixers, hoist buckets, wheelbarrows and all other equipment and machinery on which concrete may adhere to keep the concrete soft and easily removed.

5.0 APPLICATION

- 5.1 Preferably by spray which will permit the rates of coverage to be obtained. Brush application may also be employed but the material should be well brushed out to obtain the most economic and effective results. When spraying, do not atomise the product - apply using low pressure airless spray in the form of fine droplets. Wear personal protective gear including eye protection (if spraying) and overalls. Avoid continuous or prolonged skin contact (wear gloves or barrier cream on exposed skin).
- 5.2 Being a chemical release agent, BIO-FORM does not rely for its effectiveness on quantity, and is still active although the formwork may appear dry. Do not over apply to new and porous wood.
- 5.3 Formwork is best treated before being erected, thus avoiding contamination of reinforcement. Should reinforcement become coated with BIO-FORM by accident, it should be painted with cement slurry to react with the BIO-FORM and this slurry should be brushed off immediately before the concrete is poured.
- 5.4 BIO-FORM should be applied to the formwork prior to each use, but once applied, can be exposed to normal weather conditions for up to two weeks in the case of timber forms and up to three weeks in the case of steel forms. On exposure for longer periods than these, or if subjected to rain and/or dust contamination, a further application of BIO-FORM should be made.

5.0 PACKAGING

4, 20 and 210 litres.

6.0 SAFETY & PRECAUTIONS

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



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