

Concrete Release Agent **FRE-FORM**

TECHNICAL DATA

1.0 DESCRIPTION

FRE-FORM concrete release agent is a chemically active form release agent designed specially for use with steel forms, steam curing and general formwork.

FRE-FORM is suitable for use on all forms except expanded polystyrene. Properly applied, FRE-FORM will not interfere with the adhesion of coatings and sealants. Prior to painting or applying coatings, wash the surface with water containing a little detergent and brush down thoroughly.

A further characteristic of FRE-FORM is that it affords protection to the formwork itself by, in the case of steel, inhibiting rust, and in the case of timber, impregnating the timber rendering it water repellent.

2.0 PHYSICAL PROPERTIES:

2.1. Colour	Amber
2.2. Specific Gravity	0.84
2.3. Flash Point	>100°C
2.4. Shelf Life	1 year in original sealed container.
2.5. Viscosity	thin (sprayable).
2.6. D.G. Classification	9 (Ecotoxic), UN 3082
2.7. Toxicity	Contains Diesel – avoid skin contact. Refer SDS.
2.8. Coverage	
	Non-absorbent surfaces (e.g., steel, fibreglass): up to 20m ² per litre
	Absorbent surfaces (e.g., wood, concrete, uncoated plywood)..... up to 15m ² per litre.

3.0 USES

FRE-FORM is effective on all types of moulds and formwork. FRE-FORM is recommended for steam-cured metal formwork.

FRE-FORM promotes easy stripping, minimises form clean up, is non-staining and reduces the number of surface air voids (bugholes). Refer precautions.

For tilt-slab construction, use DISCRETE. Refer DISCRETE data sheet.

4.0 APPLICATION INSTRUCTIONS

- 4.1. Use only in a well-ventilated area. Avoid skin contact and do not breathe vapours/mists.
- 4.2. Surfaces to be treated must be clean and free of all water, dust and dirt or residues (including any cleaning agents or other release agents) that might transfer to the final concrete surface.
- 4.3. For greatest coverage and best results, apply with a soft, clean cloth taking care to eliminate excess material. Alternatively spray-apply in the form of small droplets (do not atomise), and then wipe up any excess with a soft cloth. Ensure application of FRE-FORM is consistent across the formwork.

FRE-FORM

TECHNICAL DATA Continued

4.0 APPLICATION INSTRUCTIONS (continued)

- 4.4. DO NOT OVER APPLY. DO NOT APPLY TO REINFORCING STEEL.
- 4.5. FRE-FORM must be applied to the formwork prior to each use.

5.0 PRECAUTIONS

Read labels before use.

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. Over application may cause adverse effects to the concrete surface. Wipe up any puddles or excess material.

Refer to Material Safety Data Sheet for handling and first aid information. Wear protective gloves and eye protection when applying and do not breathe vapours or mists. Use only in a well-ventilated area.

6.0 PACKAGING

FRE-FORM is available in 20 and 210 litre containers.



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