



Ferroform 120

PREMIUM FORM RELEASE AGENT (OIL-BASED)



Ferroform 120 is a high performance oil base form release agent, product from petroleum oil and special chemical additives to promote a high performance of demoulding properties such as good dispersion, air bubble carrier efficiency, retard drying time, improve rain resistance, low odour, solvent free etc. Ferroform 120 has been specially formulated for precast concrete element casting and post tension or prestress concrete. It can help giving a good concrete surface finish after demoulded with less pin hole especially when works together with a proper high frequency external concrete vibrator.

Advantages

- Good bond breaker between fresh concrete and metal form by oily form release agent.
- Help easier during demould and minimise damages from concrete elements adhere to form.
- Can use with metal, wood and aluminium form.
- Protect rust occurring by non-moisture component and made of nearly 100% concentrated oil.
- Mild petroleum odour, non-solvent odour
- Low risk from flammable by high ignition temp. over 130 °C

Area of use

- Indoor and outdoor use
- Metal, wood, plastic and aluminium form
- Precast, prestress and posttension concrete

Standards and compliances

Ferroform 120 is manufactured under standard which conform to ASTM D 445 and ASTM D 93

Physical properties

Properties	Value
Appearance	Transparent brown liquid

Technical properties

Properties	Value	Standard
Specific gravity, 30 °C	0.88 kg./litre	ASTM D 1298
Viscosity, 30 °C	36.24 cps.	ASTM D 445
Flammable point	134.40 °C	ASTM D 93

Method statement

Ferroform 120

Step 1 Form Surface preparation

- Clean all contaminants on metal form surface with nylon or wire brush to remove laitance, cement residue and rust.
- Metal mould should flat without ponding area.
- Form surface temperature should be in between 20-60 °C

Step 2 Mixing

- Ferroform120 is a ready to use product no mixing requires.

Limitations/Cautions

- Recoat if contact to rain.
- Recoat if observe the film is too dry.
- Do not use outdoor, not recommended to use Ferroform 120 direct to sunlight or rain that will fast dried by high temp.or easily wash off by rain.
- Apply in vertical direction may cause sagging and a flowing excess of form release agent will flow down to horizontal level.
- Ponding upon metal form may cause yellowish after demoulded.
- It is recommended to trial test to find out a proper dilution ratio before made decision to apply

Technical support

Customers can contact the sales department of the company at sale@ferroproduct.co.th to inquire about product usage methods. Furthermore they can also request information or organize the following activities :

1. Request for the latest updated data sheet.
2. Request for the sale conditions document and the product price list.
3. Schedule a technical staff visit to demonstrate the products at the customer's job site by filling out the "Demonstration request form" prior to the product purchase.
4. Schedule a technical staff visit to provide product usage training to the customer's workers at the job site by filling out the "Worker training request form".
5. Schedule training for the customer's foreman at the company's training center (Ferro training center) by filling out the (Foreman training request form).

Coverage

On metal form approx. 25-30 m²/litre

On wooden formwork approx. 20-25 m²/litre

The consumption of Ferroform 120 may vary from many application and environment conditions such as in door and outdoor, form surface absorption, vertical or horizontal direction of works, windy or strong sun environment, spray or fiber brush or cloth brush equipments, worker skills, concrete mix design, concrete shape and size etc.

Package

5 litre/gallon

20 litre/gallon

200 litre/drum

1,000 litre/drum

Cleaning tools

Clean all tools with water and let dry in sunlight.

Storage

- 1 year in unopen container
- Keep in dry shaded area, temperature 23 °C + 2%, Humidity 50 + 5%RH (Conform to ISO 554)



Health and safety instructions

- May cause health effect :
- Eye : May cause eye irritation.
- Skin : May cause skin irritation.
- Ingestion : May cause vomiting or nausea if swallowed.
- Inhalation : No serious effect.
- Inhalation : Move to fresh air, oxygen support if necessary. In case of breathing difficulty is occurred continuously, should taken care by medical treatment.
- Eye : Flush with clean water at least 15 minute. if irritation still exist, see medical attention.
- Skin : Clean the irritation area with mild soap and water, if burning is still exist, see physician immediately.
- Ingestion : Do not induce vomiting. call physician immediately.




Disposal

Ferrobond 101 is contains vinyl acetate copolymer. Please do not disposal of the remaining mixture into public drainage pipes. Should be dry and solidified by exposure to sunlight.

Transportation and shipping data

THAI DOT : Not regulated. IMO : Not regulated.
USA DOT : Not regulated. IATA : Not regulated.
RID/ADR : Not regulated.

			Size <ul style="list-style-type: none">• 5 litre/gallon Code FG-IC-8858915212009• 20 litre/gallon Code FG-IC-8858915212016• 200 litre/drum Code FG-IC-8858915212023• 1,000 litre/drum Code FG-IC-8858915212078
5 L	20 L	200 L	
		1000 L	

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Product warranty: The company is pleased to replace any product that is clearly proven to be defective due to manufacturing processes with a new products of equal value to the portion that is defective. Refunds are not available. Customers must be notify us of replacement within 7 days from the order date. Additionally customers can't claim damages resulting from direct or indirect using of the materials, as well as delays in delivery by the company. Furthermore replacements can't be made for errors in using that arise from customers negligence without consulting the sales staff or technical documentation provided by the company. The company reserves the right to amend manufacturing formulas or new packaging designs without prior notice. Therefore customers must be request the data sheet and sale conditions from the company before actual using and before each purchase. By doing so the company assumes that customers have understood and agreed to the company's sale conditions before using. (Company products are only allowed for using by individuals who have completed training provided by the company). *For further data please refer to the sale conditions from the company's sale department at sale@ferroproduct.co.th.



ISO 9001 & ISO 14001



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