Shield Easymold WB

Water-based Release Agent for Formworks and Molds

TECHNICAL DATA SHEET

Description

Shield Easymold WB is a ready-to-use, water-based, release agent based on an emulsified blend of mineral oils and nonhazardous chemicals, designed to prevent the adhesion of the cement matrix to formworks in order to achieve a fair-faced and stain-free concrete surface with a good finish.

Uses

- Improving concrete appearance as well as durability.
- Used for different types of formworks such as wood, plywood, and steel.
- Provides easy cleaning, stripping, and durability of formworks.
- For strong release performance.

Typical Properties

Color / Appearance	Milky white transforms to transparent liquid
Specific Gravity @25℃	1.00 ± 0.02
Viscosity @25℃	35 – 50 cP
Drying Time	Hot conditions: 30 minutes Normal conditions: 60 minutes Cold conditions: 60 – 90 minutes

Characteristics / Advantages

- Economical and ready to use.
- Produces fair-faced concrete finish.
- Reduces damage to concrete surface and molds.
- Prevents concrete elements from sticking to the molds.
- Reduces the possibility of bug holes/ blowholes formation.
- Reduces the possibility of damage to formwork and extends its lifetime.
- Adheres well to all wooden or plywood surfaces as well as to synthetic or steel formworks.
- Not harmful to the environment.

Coverage

30 – 40 m^2 per liter for porous substrates.

40 – 50 m^2 per liter for non-porous substrates.

Packaging

Shield Easymold WB is supplied in 5-liter and 20-liter plastic drums.

Shelf Life and Storage

Shield Easymold WB has a shelf life of 12 months when stored in its original unopened packaging in cool and dry conditions, protected from direct sunlight, heat, and moisture. Shelf life may be reduced if the recommended storage conditions are not followed.

Safety Instructions

Avoid contact with the eyes and skin. In case of direct contact with the skin, wash the affected area immediately with water for several minutes. If it comes into contact with the eyes, rinse immediately with lukewarm water for at least 15 minutes and get medical advice or treatment if any emergency warning signs appear. For further information, refer to the Material Safety Data Sheet.

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Application Instructions

1. Surface Preparation

Formworks must be sound and clean from dust, oils, dirt, grease, or any contaminants.

2. Application

Before starting the application, **Shield Easymold WB s**hould be stirred using a slow-speed drill and can be applied by brush, roller, or low-pressure sprayer.

After application, avoid wetting the coated surface with water. Don't over-apply the product on the formwork as it may cause staining, the excessive material should be allowed to drain before using the formwork.

3. Cleaning

Tools should be cleaned immediately with clean water. Hardened material should be removed mechanically.

Limitations

- Avoid wetting the coated surface with water after application.
- Do not over-apply the product.
- Allow the product to dry before using the formwork.

Technical Support

Refer to technical information, method statement, or contact technical support team for any inquiry.

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