



Mapeform Eco Oil

Form release-agent based on vegetable oils

WHERE TO USE

Anti-adhesive treatment of iron, aluminum and plastic forms (epoxy, phenolic, polyester and polyurethane resins).

Some application examples

- To facilitate form release of precast concrete.
- To facilitate form release of steam-cured concrete.
- To form release concrete cast in plastic forms.
- To form release concrete cast in metal forms.

TECHNICAL CHARACTERISTICS

Mapeform Eco Oil is based on stable vegetable oils, minor parts of inhibitors, and special admixtures.

Once applied **Mapeform Eco Oil** creates a thin layer that facilitates concrete demolding from the formwork.

Mapeform Eco Oil features the following advantages:

- improved surface quality thanks to the drastic reduction of large and micro surface air bubbles;
- less cleaning of forms;
- simple low-cost application;
- **easily and rapidly biodegradable**; non toxic, does not irritate and does not cause sensitization;
- not subject to the Italian law 303 of 1956 for the use of form release-agents based on mineral oils.

RECOMMENDATIONS

- Do not dilute **Mapeform Eco Oil** with water.
- Do not dilute **Mapeform Eco Oil** with solvents or other oils.
- Do not use **Mapeform Eco Oil** with concrete, gypsum or polystyrene forms.

- Preferably use other products from **Mapeform** range on raw wood forms.
- Whenever using with rubber forms make sample tests or contact the MAPEI Technical Services Department.

DIRECTIONS FOR USE

Mapeform Eco Oil is ready-to-use.

Application

Apply **Mapeform Eco Oil** on the clean, dry formwork, preferably in a single coat, using pressure pumps fitted with a misting nozzle or atomisers at a pressure of 6 Bar.

For effective stripping of forms, do not exceed the recommended dosage. This can cause the formation of a fine dust on the surface which can alter the final finish.

Cleaning

Tools used for applying **Mapeform Eco Oil** can be cleaned with water.

CONSUMPTION

Metal forms: 15-25 g/m².
Plastic forms: 15-25 g/m².

STORAGE

Store for 24 months in sealed containers away from prolonged, direct exposure to sunlight.

PACKAGING

The product is supplied in 1000 l IBC-container, 200 l drums and 23 kg can.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	fluid liquid
Colour:	yellow
Density (g/cm ³):	0.91 ± 0.02 at +23°C
Brookfield viscosity at +23°C (cPs):	< 70 (1 shaft - 20 revs)
Pour point:	-18°C
Flash point:	> 180°C
APPLICATION DATA	
Preparation:	ready-to-use
Application:	pressure pump fitted with a misting nozzle > 6 Bar

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapeform Eco Oil is not considered hazardous according to current standards and regulations regarding the classification of mixtures. It is however recommended to use gloves, eyes protection and to take the usual precaution for the handling of chemical products. For further and complete information about the safe use of our product please refer to our latest version of the Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible

for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

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The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

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All relevant references for the product are available upon request and from www.mapei.com

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