

Mapeform Oil

Form-Release Agent

FOR PROFESSIONAL USE ONLY

DESCRIPTION

Mapeform Oil is a VOC-compliant, stable mixture of select organic materials that promotes easy stripping of concrete.

FEATURES AND BENEFITS

- Simple, low-cost application
- Nontoxic
- Does not irritate or cause sensitization
- Low odor
- Easily and rapidly biodegradable. (Having a half-life of less than 60 days based on ASTM 5864/OECD 301B, the product is classified as “inherently biodegradable.”)

WHERE TO USE

- *Mapeform Oil* facilitates the form release of precast and steam-cured concrete. It works well with gray, white and colored concrete.
- *Mapeform Oil* can be used to treat iron, aluminum, wood and rigid plastic forms (epoxy, phenolic, polyester and polyurethane resins).

LIMITATIONS

- When using the product with rubber or plastic forms, conduct preliminary sample tests or contact MAPEI's Technical Service Department for assistance.
- Do not use *Mapeform Oil* with concrete, gypsum or polystyrene forms.
- Do not over-apply, in order to avoid puddles.
- Do not dilute *Mapeform Oil* with water.
- Do not dilute *Mapeform Oil* with solvents or other oils.

SURFACE PREPARATION

Form surfaces should be dry and clean before *Mapeform Oil* is applied.

APPLICATION PROCEDURE

Mapeform Oil is ready-to-use, with no mixing necessary. It may be applied using pressure pumps fitted with a misting nozzle or atomizers, conventional spraying equipment, rollers or mops. It is preferable to apply *Mapeform Oil* in a single coat to achieve a maximum thickness of 0.005" (< 0.15 mm). Tools used for applying *Mapeform Oil* can be cleaned with water.

APPLICATION RATES

- New wood forms: 300 to 400 sq. ft. per U.S. gal. (7.35 to 9.8 m² per L)
- Seasoned wood forms: 500 to 700 sq. ft. per U.S. gal. (12.5 to 17.1 m² per L)
- Conventional plywood forms: 800 to 1,000 sq. ft. per U.S. gal. (19.6 to 24.5 m² per L)
- High-density plywood forms: 1,100 to 1,300 sq. ft. per U.S. gal. (26.9 to 31.8 m² per L)
- Metal forms: 2,000 to 3,000 sq. ft. per U.S. gal. (49 to 73.5 m² per L)
- Rigid plastic forms: 2,000 to 3,000 sq. ft. per U.S. gal. (49 to 73.5 m² per L)

Technical Data

Consistency	Liquid
Color	Clear to amber
Viscosity	19.6 CPS at +21°C (Brookfield)
Flash point per ASTM Method D56 (closed cup)	> 300°F (149°C)
Density	6.9 lbs. per U.S. gal. (0.83 g per mL)

PACKAGING

Mapeform Oil is available in 55-U.S.-gal. (208-L) drums and 330-U.S.-gal. (1 249-L) totes.

STORAGE

Store for 2 years in a protected area in sealed plastic containers, lined drums or stainless steel containers. Keep drums and totes in a vertical position and away from prolonged, direct exposure to sunlight.

Indefinite freeze/thaw cycles are typical of *Mapeform Oil*.

VOC CONTENT

Mapeform Oil contains considerably less than 2.1 lbs. per U.S. gal. (250 g per L) in volatile organic compounds (VOCs) based on EPA Method 24. The product is in compliance with current VOC regulations.

ADDITIONAL INFORMATION

Refer to the SDS for specific data related to health and safety as well as product handling.

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA) or sustainability-durabilite@mapei.com (Canada).

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement nor replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

CONTACT INFORMATION

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Technical Services

U.S. and Puerto Rico:

Flooring: 1-800-992-6273

Concrete and heavy construction: 1-888-365-0614

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Customer Service

1-800-42-MAPEI (1-800-426-2734)

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For the most current product data and BEST-BACKEDSM warranty information,
visit www.mapei.com.
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