

ECOFORM

MOLD RELEASE OIL

Description

ECOFORM is a bio-based release agent with anti-corrosion behaviour and excellent wetting properties.

Areas of Application

ECOFORM is specially designed for stripping of metal, plywood and wood boarding. It can also be used on pressed plastic materials. ECOFORM is highly suitable for decorative and fair-faced concrete applications. Thanks to its viscosity, ECOFORM can be applied by spraying or by using a brush or paint roller.

Characteristic features:

- Excellent lubrication performances;
- Rapidly biodegradable;
- Anti-corrosion protection;
- Greater cold-exposure properties;
- Excellent thermo-oxidation stability;

Typical characteristics

PARAMETER	UNIT	TEST METHOD	ECOFORM
Density at 15 °C	g/cm ³	ISO 12185	~0,865 ± 0,02
Kinematic Viscosity at 40°C (ISO VG)	mm ² /s	ISO 3104	5-6
Pour point	°C	ISO 3016	< -14
Flash point, COC	°C	ISO 2592	> 160
Biodegradability (within 28 days)	%	OECD 301D	> 60

Note

All information is provided to the best of our knowledge and represents general, non-binding guide values. Technical data are average values and are subject to the usual production fluctuations. In case of doubt, please contact our Technical Service. For information concerning safety, the environment and the handling of the product, please refer to our EU safety data sheet. Our products are subject to continuous development. We therefore reserve the right to change the products and their manufacturing processes as well as all information contained in this document at any time and without prior notice.

Issue: July 2025

STANDARDS & GUIDELINES

Use in accordance with:

- EN 13670 – Execution of concrete structures (requirements for formwork and execution).
- EN 206 – Concrete (specification & conformity) – for mix design and curing interfaces.
- DBV/VDZ Merkblatt "Sichtbeton" (2022) – guidance for architectural/fair-faced concrete surface classes and coordination between architect–contractor–supplier.
- Historic DIN 18217 (fair-faced concrete) referenced in literature; current practice follows the DBV/VDZ guidance.

APPLICATION & CONSUMPTION

Apply a very thin, uniform film onto clean, dry formwork using low-pressure sprayer, fine brush or roller. Remove dust, laitance and rust before use. Avoid over-application and pooling.

Substrate	Typical coverage
Steel / plastic formwork	50–60 m ² /L (≈ 17–20 mL/m ²)
Coated plywood	40–50 m ² /L (≈ 20–25 mL/m ²)
Untreated timber / absorbent	20–30 m ² /L (≈ 33–50 mL/m ²)

Actual coverage depends on substrate porosity/roughness and spraying technique; confirm by site trial.

PROCESSING CONDITIONS

Recommended formwork temperature: +5 to +60 °C; for heated formwork, follow best practice and keep surface ≤ 70 °C.

Do not apply on ice/frosted surfaces. Protect fresh film from rain until concrete placement.

COMPATIBILITY

When applied very thinly and evenly, ECOFORM does not impair adhesion of subsequent mineral plasters or paints; always perform a representative site trial on architectural/white concrete.

ENVIRONMENTAL & SAFETY NOTES

Readily biodegradable (OECD 301D > 60 % / 28 days).