

FORMOIL® 1021
Mould Release OilProduct Technical Data Sheet
Issue Date: 15.12.2016**PRODUCT DESCRIPTION**

FORMOIL® 1021 is a mould release agent containing mineral oil that prevents adhesion between fresh concrete and the mould, allowing for easy separation and resulting in a smooth-surfaced concrete finish.

REFERENCE STANDARDS

Public Works Spec. No: 0.4.166/2

APPLICATION AREAS

- On steel, plastic, and plywood moulds
- On mould surfaces with low or no absorbency
- In cases where improved mould handling and efficiency are desired

FEATURES AND ADVANTAGES

- Ensures clean and smooth-looking concrete surfaces
- Allows easy separation of the mould from the concrete
- Facilitates mould cleaning
- Does not leave stains on the mould
- Extends the service life of the mould

TECHINICAL DATA

- **Material Structure:** Mineral Oil-Based
- **Appearance:** Clear yellow liquid
- **Density (at 20°C):** 0.85 kg/l
- **Flash Point / pH:** >95°C / 6–7

These values are given for ambient conditions of +23±2°C temperature and 50±5% relative humidity.

APPLICATION METHOD

Depending on the mould and weather conditions, the diluted mould oil should be applied to the moulds at least 3–4 hours before concrete is poured.

Application is done in a single, uniform coat using a **brush, roller, or spray**.

For consistent performance, a fine mist spray gun is recommended for a thin layer application.

A second coat may be applied based on surface absorbency.

For best results, apply to form a thin film. Overuse may cause staining on the concrete surface.

DOSAGE

With 1 litre of product:

- On rough surfaces: **20–40 m²**
- On smooth surfaces: **40–80 m²**

PACKAGING

- 30-litre plastic can
- 200-litre drum

WARNINGS

- Should be used between **+5°C and +35°C**.
- No foreign substances should be added to the prepared mortar.
- Expired mortar should not be reused with water
- **Do not apply** in areas exposed to **direct sunlight** or **freezing conditions**.

STORAGE AND SHELF LIFE

- Store in a **cool and dry environment**, protected from **sunlight and frost**
- Shelf life is **12 months** in the original, unopened packaging.

SAFETY PRECAUTIONS

- During application, wear protective **workwear, gloves, goggles, and mask** in accordance with Occupational Health and Safety regulations.
- Due to the irritating effects of cement-based materials, **avoid contact with the skin and eyes**.
- In case of contact, wash immediately with plenty of **water and soap**
- If swallowed, seek **medical attention immediately**
- **Do not bring** food or beverages into the application area
- Store out of reach of **children**
- For more details, refer to the **Material Safety Data Sheet (MSDS)**

DISCLAIMER

The information provided in this technical document is based on our scientific and practical knowledge. GRADA Yapı Kimyasalları A.Ş. is only responsible for the quality of the product. GRADA Yapı Kimyasalları A.Ş. cannot be held responsible for results arising from improper use and/or use outside of the written recommendations provided for where and how the product should be used.

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