

Technical Data Sheet

Trennfit

Formwork oil for all types of formwork

The concrete release agent **Trennfit** is the right product for all formwork types and areas of application. An excellent release effect can be guaranteed.



Product

Description

Trennfit is a ready-to-use, physically and chemically acting concrete release agent based on mineral oil, free of solvents and silicone.

Its chemical functionality is based on a reaction of calcium hydroxide and aluminium hydroxide of the concrete and conventionally physically due to its water-repellent properties. This facilitates the sliding of air and water bubbles during concreting, which counteracts blowhole formation. In addition, concrete adhesion to the formwork is strongly reduced, which ensures easy demoulding and prevents concrete residues from sticking to the formwork. This protects the formwork and diminishes the cleaning effort for the formwork.

Usage

Trennfit is recommended for all concrete structures, except exposed concrete, also for later coating of the concrete surfaces or plaster and stucco work.

Trennfit is suitable for all formwork types (board formwork, coated formwork panels, plastic formwork, steel formwork, etc.).

Characteristics / advantages

- Excellent release effect and best adhesion of subsequent coatings and plasters to the concrete
- no chalking of the concrete surface when used as intended
- Complies with DBV guidelines on release agents

Test Reports

Approvals / Standards

Not required

Product Data

Appearance yellow-ish liquid

Packaging

- can: 30 l
- barrel: 200 l

Storage frost-resistant, down to -30°C

Material Properties

Form:	liquid
Colour:	yellow-ish
Odour:	low odour
Kinematic viscosity:	approx. 7,5 mm ² /s at 40°C
Density:	approx. 0,86 g/ccm at 15°C
Basis:	Napthenic, paraffinic mineral oils, containing additives
Solubility:	insoluble in water
Shelf life:	1 year in closed original recipient
WGK:	1, i.e. slightly hazardous to water
	<i>(Water hazard class)</i>

Processing

Trennfit is ready for use and must not be diluted. Formwork surfaces must be clean and dry.

Trennfit is applied thinly and evenly covering with the MAX FRANK special sprayer. Application with a brush, cloth or similar is also possible, but the consumption quantities and labour costs are considerably higher. Please note that puddles of excess release agent and lack of release agent due to excessively absorbent formwork must be avoided.

New wooden boarding is best pre-treated with cement stillage due to its wood sugar precipitation and then sprayed with **Trennfit**.

Consumption quantities 1 litre **Trennfit** is sufficient for:

Ca. 60 – 70 m ²	steel formwork
Ca. 5 – 15 m ²	smoothened concrete formwork
Ca. 15 – 25 m ²	rough wood
Ca. 25 – 35 m ²	planed wood
Ca. 50 – 60 m ²	coated formwork panel

Safety

- Not classified according to the ordinance on Hazardous Substances
- No dangerous goods according to UN, IMO, ADR/RID and IATA/ICAO
- Water hazard class I, i.e. slightly hazardous to water
- Waste disposal key:

Product:	130205
Emptied steel container	150104
- Giscode: BTM 20

Environment / Sustainability

The company MAX FRANK GmbH & Co. KG has implemented a certified environmental management system since July 2022.

Please dispose of and recycle the packaging in accordance with the applicable legal regulations.

Ecological quality

Concrete release agents that are used in the construction of concrete building components are classified within the DGNB system in the area "Ecological quality".

An assessment is carried out in quality levels depending on the GISCODES. The higher the quality level, the more positive the influence on a high degree of fulfilment in this category.

The designation Giscode stands for "Hazardous Substance Information System Code" and was developed by the "Berufsgenossenschaften der Bauwirtschaft (BG Bau)". It is a labelling system in which products with comparable health hazards are grouped together.

Quality levels for formwork oils/concrete release agents

GISCODE	Quality level 1	Quality level 2	Quality level 3	Quality level 4	Product group
BTM 01					Concrete emulsions, non-labelled
BTM 05					Concrete release emulsions, containing preservatives
BTM 10	Trennfit Pure	Trennfit Pure	Trennfit Pure		Concrete release agent, non-labelled
BTM 15	Trennfit Pure	Trennfit Pure			Concrete release agent emulsions, allergy hazard due to preservatives
BTM 20	Trennfit Trennfit Super Trennfit Pure				Concrete release agent, low viscosity

Disclaimer / Notes:

The usability of the products in the specific installation situation must be checked by the user. This data sheet is constantly updated. Technical changes are therefore expressly reserved without prior information of the customer. The currently valid version can be found on our website at: www.maxfrank.com. Our General Terms and Conditions of Sale apply in addition.

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