

TECHNICAL DATA SHEET

TRENNFIT B2 (DBP*-Nr. 3822162)

Product description:

TRENNFIT B2 is a ready-to use chemically and physically active release agent, biologically degradable within short time (RAL ZU 64), free from solvent and silicone.

The chemical activity is based on a reaction of the release agent additives with calcium hydroxide and aluminium hydroxide. The physical activity is based on the formation of a water-repellent surface film. Thus, the movement of air and water bubbles in the course of concreting is considerably facilitated and a non-porous concrete surface is obtained. The combination of these properties minimizes the potential for bonding of the concrete to the formwork, making formwork stripping very easy. Thus the formwork is protected and time spent on formwork cleaning is minimized.

TRENNFIT B2 is suitable for all concreting works as well as in situations where special attention to environmental protection is required and also for highly demanding concrete surfaces. TRENNFIT B2 is ideally suited for architectural concrete and for concrete surfaces that will subsequently be coated.

When applied correctly TRENNFIT B2 helps prevent flouing of the concrete surface.

TRENNFIT B2 is very cost-effective (1 litre is sufficient for up to 80 m²) and is non hazardous in case of overdosing.

TRENNFIT B2 meets the requirements the DBV*** guidelines for release agents.

Application:

Due to its environmental friendliness TRENNFIT B2 is especially recommended for the general construction site works, because the environmental burden due to the unavoidable penetration of the soil by the release agent is reduced. Therefore, it should not only be applied in groundwater-preservation areas.

TRENNFIT B2 is suitable for all formwork types (timber, plywood, plastic formwork and steel, etc.). It is less suited for long-term conservation of steel formwork due to the very good biological degradability. For long-term conservation of steel formwork we recommend the use of TRENNFIT SUPER. TRENNFIT B2 is also generally suitable for formwork elements made of polystyrene foams. In individual cases preliminary in-house tests are required.

- * DBP: German Federal Patent
- ** DAB 10: German Drug Register 10th Edition
- *** DBV: German Concrete Association e.V.

Technical Data:

Form:	Liquid
Colour:	Yellowish
Odour:	Neutral
Viscosity:	Approx. 7.8 mm ² /s at 40°C
Density:	Approx. 0.86 g/ccm at 15°C
Solubility:	Insoluble in water
Storage:	Freeze-proof
Shelf life:	1 year in closed original recipient
Bonding concrete surface / mortar:	1 N/mm ²

Instructions for use:

TRENNFIT B2 is ready-to-use and must not be diluted. Formwork surfaces must be clean and dry.

A thin film of TRENNFIT B2 should be applied homogeneously over the surface using the FRANK special sprayer. An application by means of a paint brush, normal brush, a cloth or similar is also possible, but the consumption volume and labour costs are significantly higher in this case. It is important to avoid an overdose of the release agent – detectable through puddle formation and an increase in the amount of release agent needed when using absorbent formwork. Due to their wood sugar excretion new timber formwork panels are best pre-treated with laitance and subsequently sprayed with the TRENNFIT B2 concrete release agent until saturation.

Consumption:

1 litre TRENNFIT B2 is sufficient for:

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

Safety and Environmental protection:

- Not subject to labelling under hazardous materials Ordinances and EU-guidelines
- Not dangerous goods according to UN, IMO, ADR/RID and IATA/CAO
- Water hazard class I, i.e. slightly hazardous to water
- Waste disposal key:
 - Product: 130207
 - Emptied steel container:: 150104
- Completely emptied drums and steel containers are taken back by the numerous acceptance places for steel drums of the recycling system for steel packagings Stahl GmbH, Duesseldorf, free of charge. The waste disposal costs are already paid.

Supplied in:

30 litre can
200 litre drum