

BEECK Formwork Oil Remover

Water-thinnable cleaning concentrate for removing release agent residues from concrete

1. Product Properties

Water-thinnable, environmentally compatible cleaning concentrate with outstanding dissolving power for standard organic formwork release agents of the concrete industry, e.g. paraffin oil-based. Used on new or untreated, interior or exterior concrete surfaces. Efficient as an additive for high-pressure (jet) cleaning equipment, if necessary it can also be applied with a brush, e.g. in interior areas. Pore-deep cleaning effect of concrete walls and ceilings, to which an opaque or glazed coating of BEECK silicate paint is then applied. Formwork release agents on the surface of the material have a negative effect on the wetting, adhesion and silicification of the coatings and may cause widespread spalling, peeling and staining. Detection and removal of these release agents is therefore part of the contractor's duty to check.

1.1. Composition

- Concentrate of highly effective, phosphate-free tensides (surfactants)
- Water thinnable, alkaline

1.2. Technical properties

1.2.1. Overview

- For use on interior and exterior surfaces
- Pore-deep cleaning capacity
- High-yield concentrate
- With no acid attack on mineral building materials
- Creates coating-compatible substrates
- Does not leave any cleaning film behind
- Can be washed off with clean water
- Biodegradable

1.2.2. Important building physics characteristics

Parameter	Value	Conformity
Density 20°C:	1.0 kg / L	
pH value 20°C:	9 – 10	
Flash point:	> 100°C	DIN 51755

1.2.3. Colour

- Clear or yellow dyed.

2. Use

2.1. Substrate requirements

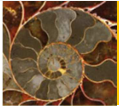
- The substrate must be firm and stable.
- Use to clean and prepare the substrates of interior and exterior concrete walls and ceilings.
- Stubborn dirt layers, tar, asphalt, rust plumes, cement skin, lime bloom, sintering, loose coatings, graffiti, crusts, algae, etc. are to be removed by suitable cleaning methods, e.g. by jetting or blasting methods, or by using BEECK Fungicide or BEECK Paint Stripper according to the factory specifications. Examine critical areas and try out on a test area on site.
- Examine expansion and connection joints, repair if necessary.

2.2. Brief information on the standard system

- Addition of BEECK Formwork Oil Remover to high-pressure cleaning equipment. Efficient cleaning of the concrete surfaces using high-pressure methods and subsequent rewashing with clean water.
- On highly soiled or oiled-up surfaces, after an application time of at least 10 minutes, clean again with high-pressure equipment to which BEECK Formwork Oil Remover has been added. Then rewash with clean water without adding cleaning agent.
- For interior use, dilute BEECK Formwork Oil Remover 1:10 with clean water and apply with a brush or sprayer. After at least 10 minute application time, rewash with plenty of clean water. Carry out a wetting test on the dried surface using clean water.

2.3. Substrate and preparatory treatment

- **Concrete (shuttered concrete):**
On façades, clean thoroughly with BEECK Formwork Oil Remover and high-pressure cleaning method according to the factory instructions. Procedure for interior areas as described in section 2.2.



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- **Calcium silicate masonry, clay brick, clinker, ceramic, glass building blocks, fibrated cement, mineral plaster & render, ETICS:**
Use BEECK Formwork Oil Remover only to clean oily and greasy contamination; try out on a test area first! Recommended dilution: 1:10 or add to high-pressure cleaning equipment. After an application time of at least 10 minutes, work stubborn dirt intensively using a nylon brush or pressure spraying/blasting. Rewash with plenty of clean water. Clean composite material (ETICS) and similar pressure-sensitive surfaces carefully.
- **Unsuitable substrates** are less stable, crumbly and non-alkali-resistant substrates.
- **Defective substrates** require a differentiated approach. Examine critical areas and try out on site.

2.4. Application instructions

2.4.1. General information

Check substrate suitability as required (see 2.1 and 2.3). Note the type and extent of the contamination, especially in case of unknown or non-standard release agents. Examine critical areas and try out product on a test area on site. Ensure that the product is used by qualified persons only.

- Protect areas that are not to be treated, wash off splashes immediately with clean water.
- Provide personal protective equipment (protective clothing, eye/face protection). Deploy instructed, competent personnel only and follow the safety instructions.
- Treat self-contained areas uniformly and in one continuous pass over the whole area.
- In case of highly soiled façades, clean optimally from the bottom up to avoid dried on material, dirt plumes and runs or drips. Then rinse off with plenty of clean water from the top down, applied with high pressure. Avoid dried on material and dirty water residues on window sills, cornices, etc.
- If applying with a brush or sprayer, e.g. in interior areas, dilute BEECK Formwork Oil Remover 1:10 with clean water. After at least 10 minute application time, rewash with plenty of clean water. Repeat the procedure on highly soiled surfaces.
- Do not use on heated surfaces, in the blazing sun or strong wind.
- Minimum application temperature: +5°C
- Further treatment with BEECK silicate paints or primers after the surface of the material has dried; wait for at least 1-3 days depending on the weather and situation on site.
- The effectiveness of the cleaning must be tried out in situ by carrying out a wetting test on the dried surface of the material to be cleaned: if sprayed on clean water rolls off and forms drops, there are still release agent residues on the surface and the cleaning must be repeated.
- In case of subsequent water-repellent treatment (hydrophobing, e.g. BEECK SP Plus), wash off BEECK Formwork Oil Remover particularly thoroughly and pore-deep using clean water and high-pressure (jetting) method. Residues of the cleaner impair the water-repellent effect of the building preservative.

2.4.2. Use

Add undiluted BEECK Formwork Oil Remover directly to the high-pressure cleaning equipment through its metering equipment (injector). An optimum cleaning effect is achieved at approx. 30 – 40°C water temperature. For interior use, dilute BEECK Formwork Oil Remover 1:10 with clean water and apply with a brush or sprayer. After at least 10 minute application time, rewash with clean water. Try out a wetting test on the dried surface by spraying water; there must be no drop formation or roll off effect, if necessary repeat the cleaning process.

3. Application Rate and Container Sizes

The BEECK Formwork Oil Remover application rate is approx. 0.01 – 0.02 L/m², depending on the dilution ratio used and the degree of soiling. Determine specific application rate values by trying out on site.

Container sizes: 1 L / 5 L / 10 L

4. Cleaning

Clean equipment, tools and soiled clothing with plenty of clean water immediately after use.

5. Storage

Stored cool and frost-free as a concentrate can be kept for at least 24 months. Use up diluted solutions as quickly as possible.

6. Hazard notes, safety instructions and disposal

Comply with the EC Safety Data Sheet. Safety data sheet available on request.

Precautionary statements: Keep out of reach of children. Disposal in accordance with the official regulations.

Waste disposal number: 080112

7. Declaration

This technical information is offered as advice based on our knowledge and practical experience. All information is provided without guarantee. It does not release the user from their responsibility to check the product suitability



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and application for the specific substrate on which it is to be used. Subject to change without notice as part of our product development. Non-system additives for tinting, thinning, etc. are not permitted. Check the colours before use. This information sheet automatically becomes invalid when a new edition is issued. The information in the current version of the EC Safety Data Sheets is binding for classification according to the Hazards identifications, disposal considerations, etc.