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# Doka-Trenn bio

Release agent for concrete

## User Information



98257-200-01

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## Component overview

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| Product description | Doka-Trenn bio is a solvent-free, water-immiscible, ready-to-use release agent for concrete formwork based on renewable raw materials. |
| Special properties | ▪ Readily biodegradable and awarded the Blue Angel ecolabel according to RAL-UZ 178 and the EU Ecolabel (licence n° DE/027/351).<br>▪ Not subject to labelling. Hydrocarbon-free.<br>▪ Economical in use and therefore particularly cost-effective.<br>▪ No discolouration of the concrete surface.<br>▪ There is no waiting time between applying the release agent and pouring the concrete.<br>▪ No dissolving of painted parts. |
| Areas of use | ▪ All-purpose concrete release agent. For timber, plastic and steel formwork.<br>▪ Also ideal as mixer protection. |

## Assigning GISCODE classification to DGNB quality levels

The DGNB (German Sustainable Building Council) Criteria Set classifies concrete release agents into four quality levels based on the dimension 'Environmental quality'. The higher the quality level, the more positive the impact on the degree of fulfilment in this dimension.

### GISCODE and DGNB quality levels

| Name of concrete release agent | GISCODE | | | DGNB quality levels [1] |
|---|---|---|---|---|
| | BTM 01 | BTM 10 | BTM 20 | |
| Doka-Trenn | — | — | ✓ | 2 |
| Doka-Trenn bio | — | ✓ | — | 4 |
| Doka-OptiX | ✓ | — | — | 4 |

[1] Quality levels according to DGNB ENV1.2, version 2023.2 'Local environmental impact'.

### VOC value

| Name of concrete release agent | VOC value | Information |
|---|---|---|
| Doka-Trenn | < 0.3 % | Readily biodegradable. |
| Doka-Trenn bio | 0 % | Readily biodegradable.<br>Blue Angel according to RAL-UZ 178. |
| Doka-OptiX | 0% | Readily biodegradable. |

## Technical data

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| Form, colour, odour | Liquid, yellowish, characteristic |
| Density | 0.89 kg/l |
| Solubility | Immiscible with water. |
| Viscosity | 14.5 mm²/s at 20 °C |
| Consumption | ▪ Non-absorbent steel or plastic formwork sheeting: approx. 8 g/m²<br>▪ Absorbent formwork sheeting: approx. 30 g/m² |

## Instructions for use

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| Surface preparation | ▪ Make sure that the formwork is dry and clean.<br>▪ Remove concrete residues.<br>▪ Remove rust from the steel formwork sheeting. |
| Application | ▪ Doka-Trenn bio is ready to use. Do not dilute.<br>▪ The preferred application method is by spraying (preferably using the Doka sprayer for release agent) with sufficiently high pressure (min. 4 bar, max. 6 bar). Doka-Trenn bio can also be applied with a brush or roller.<br>▪ Apply with an extremely thin and even spray film. |
| Application temperature | Sprayable down to approx. -20 °C |
| Waiting time | ▪ Concrete can be poured immediately after applying Doka-Trenn bio to the formwork, or at a later point in time.<br>Protect the release-agent film from weathering.<br>▪ The release film will not dry hard. The treated formwork must be protected from dirt and rain. |
| Cleaning of equipment | ▪ With oil solvents and fat solvents or commercial industrial cleaners.<br>▪ Before reusing it, the equipment must be completely dry. |
| Storage | ▪ Store in tightly sealed original containers. Protect from frost. Protect from direct sunlight.<br>▪ Storage class 10 according to TRGS 510 |
| Shelf life | approx. 36 months |

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| Hazard warnings and safety advices | Not subject to labelling (see Safety Data Sheet). |
| GISCODE | BTM 10 |
| Transport | Doka-Trenn bio is not classified as a hazardous substance. |
| Disposal | ▪ Dispose of product residues via authorised waste collectors.<br>▪ Waste code number 54102 pursuant to ÖNORM S 2100.<br>▪ European Waste Catalogue: 13 02 07 (Oil Wastes and Wastes of Liquid Fuels)<br>▪ Recycle completely emptied containers. |
| Measures in the event of an accident | ▪ Absorb with liquid-binding material.<br>▪ Prevent liquid from entering watercourses.<br>▪ German Water Hazard Class (WGK): 1 slightly water endangering |