

weber.tec 780

Release agent

Ready-to-use, mineral oil-based release agent for all kinds of formwork elements

Fields of application

As release agent designed as bondbreaker between formwork and freshly cast concrete. Suitable for absorbent and non-absorbent formwork: timber, resin-bonded plywood, steel, aluminium and fiberglass. Also for cleaning and care of building machines and equipment.

Description

weber.tec 780 is a ready-to-use, solvent-free and multi-use release agent.

Composition

High-quality special oils with additives

Main features

- bio-degradable: no detrimental effect to the soil and the water
- good separating effect of formwork (chemical and physical release action)
- high self-cleaning effect of formwork
- rainproof, wood-preserving and corrosion-preventing
- very economical
- easy spraying, even at low temperatures
- temperature resistance up to +80°C: hence suitable for heated formworks
- does not reduce the porosity of released concrete surfaces
- provides very good exposed concrete properties; neither stains nor contaminates released concrete surfaces
- highly stable during placement and vibration of concrete
- not toxic: neither irritates nor causes skin sensibilization

Technical values

Application temperature (air and substrate):	-5°C - +80°C
Density:	approx. 0.88 kg/dm ³
Consistency:	liquid
Temperature resistance:	up to +80°C

Quality control

weber.tec 780 is subject to a regular quality control.

General notes

- Do not use on rubber-coated formworks.
 - In case of textured formwork adjust the dosage so that the separating agent does not accumulate locally.
 - When observing the specified consumption, the product does not leave any discoloration or stains on the concrete and does not impair the adhesion of subsequent coatings such as paints and renders.
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Special notes

- A wood-preserving additive makes timber formwork water-repellent, thus protecting the shutter boards from swelling, cracking and rotting and considerably increasing their durability.
- An anti-rust additive inhibits the rusting of steel formwork and thus prevents the formation of rust spots on the concrete surface.
- Upon removal of the formwork an improved wettability of the surface provides the optimum adhesion of renders, paints, adhesives or any other coatings and prevents damage due to reduced bonding strength as caused in particular by release agents containing oil or wax.
- The product is not soluble in water; hence, the applied film is weather-resistant. Even after exposure to rain or dew, it will not cause any danger of slipping when walking on the formwork surfaces.
- It has self-cleaning properties on steel formwork, which allows to minimize or even completely dispense with any cleaning work.

Substrate preparation

- The formwork surface must be dry, clean, free from grease, dirt or old concrete in order to avoid soiling of the concrete surfaces.
- In case of untreated timber formworks the shuttering boards must be soaked sufficiently with weber.tec 780 beforehand (preferably by dipping), before first use; otherwise, the wood will absorb the release agent to such an extent that an inadequate amount of release agent will remain on the surface. This may result in an insufficient bond between concrete and formwork.

Working instructions

- The product is ready for use and must not be diluted with water.

Application as release agent

- Apply on dry and clean formwork.
- Apply the release agent with a conventional spray equipment with a round jet nozzle of 1.0 mm diameter, a rubber squeegee, a paintbrush or a cloth.
- Apply a thin and uniform separating film, avoiding the formation of puddles (accumulation of surpluses of release agent) or the lack of release agent due to excessive wood suction (e.g. untreated new formwork); remove any excess with a rubber squeegee or cloth.
- weber.tec 780 will neither deposit and nor congeal at low temperatures. This temperature-independent consistency allows a uniform and thin application even during the cold season with low temperatures.
- After the application of weber.tec 780 the concrete pouring works can begin immediately.

Application as cleaning agent

- For keeping building machines and equipment clean, weber.tec 780 should be sprayed every day before use.
- This treatment prevents the mortar residues from sticking on the metal equipment parts.

Practical information

Colours:
light yellow

Tools:
High-performance sprayer (1 mm nozzle), rubber squeegee, paintbrush, cloth

Storage:
The product can be stored at least 12 months in its original unopened packaging, if kept dry and cool (not under -15°C). Avoid storage under strong sunshine.

Technical Data Sheet



Consumption / yield

steel or plastic formwork:	approx. 20.0 ml/m ²
coated timber formwork:	approx. 25.0 ml/m ²
untreated timber formwork:	approx. 40.0 ml/m ²

Packagings

Type	Sales unit	Number/ euro-pallet
Plastic can	5 liters	90 cans
Plastic can	30 liters	16 cans
Plastic drum	1000 liters	

The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.