



Ortolan Bio 780 KS

Eco friendly concrete release emulsion with corrosion protection for steel formworks

Product Properties

- Based on renewable resources
- Strong corrosion protection
- Outstanding separating effect, minimizes concrete residues on the formwork
- Concrete surfaces with excellent quality
- Easily sprayable
- Odourless, with low emissions
- Free from solvents and mineral oils
- Ready to use
- Good hygiene at work
- Quality level 4 acc. to DGNB criterion matrix ENV 1.2. "Risks for the local environment"
- Fast biodegradability according to OECD-301 F „Manometric respirometry test“

Areas of Application

- Suitable for steel formworks
- For pre-cast and in-situ concrete constructions
- For the production of high-quality concrete surfaces
- For white and light coloured concrete
- For unheated formworks

Application Notes

General Information

Ortolan Bio 780 KS is an especially eco-friendly mineral oil-free concrete release emulsion for steel formworks. Due to its composition, it guarantees especially good work hygiene.

Ortolan Bio 780 KS contains a high efficient corrosion protection. Using it regularly, the steel formwork is protected and passivated.

Ortolan Bio 780 KS ensures light and smooth concrete surfaces. Through a proper and thin layer application is the adhesion of following coatings (for ex. plaster, paints, etc.) not affected.

Substrate

The formwork has to be absolutely clean, free from concrete residues, oil and fat-free. If necessary clean it using MC-Entöler.

The formwork surface may be slightly moist, but completely free from other formwork oils.

Application

Please take into consideration "General Application Advice for Ortolan release agents".

Ortolan Bio 780 KS forms a highly effective, waterproof release film on the formwork, after the water has evaporated (until the white glow disappears, approx 5 - 20 minutes after application).

The evaporation time depends on temperature, air humidity and air exchange.

To achieve an even and thin film wipe down using a cloth or fleece.

Afterwards the concrete can be poured into the formworks immediately.

Further Information

Suitability for rubber materials should be checked in advance.

Heavy overdosage can lead to the formation of spots, dusting, sanding and water repellency of the concrete surface.

Before application please refer to the "General Application Advice for Ortolan release agents"!



Technical Data for Ortolan Bio 780 KS

Characteristic	Unit	Value*	Comments
Density	g/cm ³	0.99	
Viscosity	s	10 - 12	Flow cup DIN 4 mm
Consumption	ml/m ²	10 - 15	
Flashpoint	°C	-	Not applicable
Processing conditions	°C	> 0 - < + 35	Air and material temperature
Biodegradability	%	95	after 28 days according to OECD 301-F
VOC content	%	< 1	

Product characteristics for Ortolan Bio 780 KS

Internal production monitoring	DIN EN ISO 9001
Basis	plant oil / water emulsion with corrosion inhibitors
Colour	Milky-white
Form	Liquid
Storage	Can be stored for at least 12 months, frost-free
Form of Delivery	30 l canister 200 l barrel 1,000 l container
Disposal	To protect our environment please empty the packs completely.

* All technical values were determined in laboratory, at a temperature of 20 °C and 65 % relative humidity.

Safety advice

Please take notice of the safety information and advice given on the packaging labels, Safety Information Sheets and General Application Advice. Water hazardous class: 1; GHS CODE: BTM 5

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 05/19. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.