

Ortolan Extra 772 KS

Environmentally compatible concrete release emulsion with corrosion inhibitor



PRODUCT PROPERTIES

- Water-based, mineral oil-based concrete release emulsion
- With integrated corrosion protection
- Outstanding separating effect, minimizes concrete residues on the formwork
- Concrete surfaces with excellent quality
- Rain resistant after evaporation of the water component
- Easily sprayable
- Odourless, with low emissions
- Solvent-free
- Ready to use
- Good hygiene at work
- Quality level 4 to DGNB criterion matrix ENV 1.2. "Risks for the local environment"
- Biodegradable according to OECD-301 F „Manometric respirometry test“

AREAS OF APPLICATION

- Suitable for non-absorbent formworks, e.g. steel
- For pre-cast concrete constructions, e.g. especially suitable for the production of precast slabs
- For the production of high-quality concrete surfaces and exposed concrete
- For unheated and heated formworks until + 70 °C

APPLICATION ADVICE

General: Ortolan Extra 772 KS is an especially eco-friendly, water-based concrete release emulsion with integrated corrosion protection. This product is preferably designed for non-absorbent steel formworks in the pre-cast production. Due to its composition, it guarantees thermal resistance, e. g. on formwork temperatures up to +70 °C. Moreover it ensures especially good work hygiene.

Ortolan Extra 772 KS ensures light and smooth concrete surfaces. Through a proper and thin layered application the adhesion of following coatings (e. g. plaster, paints, etc.) is not affected.

Substrate: The formwork has to be absolutely clean, free from concrete residues, oil and fat-free. Residues of other oils must be removed completely. If necessary clean the formwork with Donnitil Oil Ex.

The formwork surface must be completely dry and oil-free.

Application: Please take into consideration “General Application Advice for Ortolan release agents”.

Ortolan Extra 772 KS forms a highly effective, water-proof release film on the formwork, after the water has evaporated (until the white glow disappears). The evaporation time depends on temperature, air humidity and air exchange.

After evaporation of the water, wipe down the releasing film using a cloth. Afterwards the concrete can be poured into the formworks immediately.

Further Information: Heavy overdosage can lead to the formation of spots, dusting, sanding and water repellency of the concrete surface. The compatibility with rubbers, paints and foams, e. g. polystyrene, have to be tested.

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

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	g/cm ³	1	
Viscosity	seconds	10	Pouring cup DIN 4 mm
Application conditions	°C	> 8 < 35 ≤ 70	air, material and substrate temperatures
Consumption	ml/m ²	10 - 15	
Biodegradability	%	33	after 28 days per OECD-301 F
VOC content	%	< 1	

All technical values are laboratory results determined at 21°C ±2°C and 65% relative humidity.

Base	mineral oil / water emulsion with corrosion inhibitors		
Form	liquid		
Colour	milky white		
Delivery form	30 l canister, 200 l drum, 1000 l container		
Self-monitoring	EN ISO 9001		
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs.		
Packaging disposal	Make sure single-use containers are completely empty.		

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : BTM05

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2300018486]