

# CK 310

## Kero-Trenn

**Mineral oil based concrete demoulding agent for all common types of formwork**

### CHARACTERISTICS

- ▶ prevents and removes adherent mortar or concrete
- ▶ protects metals against corrosion, wood against rot and decay
- ▶ provides low-pored, stain-free concrete surfaces
- ▶ weather- and frost-resistant
- ▶ good biodegradability
- ▶ suitable for drinking water tanks (acc. to KTW and DVGW)\*

### SCOPE OF USE

CK 310 Kero-Trenn allows the environmentally compatible production of concrete members with a uniform and pore-free surface. As the concrete is not stained, the resulting exposed concrete faces will have an optimum appearance. Special corrosion-inhibiting and preservative additives prevent corrosion of the steel formwork resp. rotting of the timber formwork. CK 310 Kero-Trenn is suitable for all common types of formwork such as timber, plastic or metal. CK 310 Kero-Trenn protects construction equipment, trucks and fittings against the adherence of mortar and concrete. No disturbing wax or paraffin residues: problem-free adhesion of plaster, paint or adhesive coats applied on the stripped concrete surface.

Green timber – especially before first use – should be coated with cement paste in order to prevent damage to the concrete surface. Next day, brush off the cement layer. After stripping, the concrete surface has a low pore volume and corresponds to the structure of the formwork. CK 310 Kero-Trenn contains anticorrosion additives and is hydrophobic (water-repellent). It therefore protects the treated formwork against weathering and corrosion.

\* KTW = German regulation concerning plastic for use with drinking water  
DVGW = German Technical and Scientific Association for Gas and Water



### SUBSTRATE PREPARATION

The formwork should be clean and free of paraffin substances. If the formwork was earlier treated with wax or paraffin or is heavily soiled, thorough cleaning of the formwork is recommended before application of CK 310 Kero-Trenn. This prevents soiling of the concrete surface and ensures that the separating effect of CK 310 is not lessened by old release agent residues. Make sure the formwork is free of ice!

### APPLICATION

CK 310 Kero-Trenn is ready for use and is only applied undiluted. To achieve optimum separation results, it is necessary to apply a very thin, uniform film. This can best be done by applying the demoulding agent with our special spray device CK 319 equipped with a flat jet nozzle. When using other spray devices, we recommend removing any excess product with a cloth or

moss rubber squeegee. When working at temperatures below -5°C, it is advisable to apply CK 310 Kero-Trenn thinly and uniformly with a cloth.

### PLEASE NOTE

Protect eyes and skin by wearing adequate clothes! Also read the warnings and safety information in the CK 310 Safety Data Sheet.

Please refer in particular to the information sheet "Concrete Release Agents" issued by the German Concrete Association.

Observe the warnings-, safety- and waste disposal advice given in the safety data sheet.

**Should you need support or advice, please consult our advisory service for architects and craftsmen on the hotline numbers**

**Phone: +49 211 797 0**

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### TECHNICAL DATA

Density:	approx. 0.89 kg/dm <sup>3</sup>
Material base:	modified naphthene mineral oil raffinates
Physical state and colour:	liquid, transparent yellow
Mode of action:	chemically-physically active
Viscosity:	approx. 20 mPas at 25 °C
Flash point:	approx. 140 °C
Evaporation residue:	(after 24 hrs at 80 °C) approx. 98 %
Heated formwork:	suitable up to 80°C
Rainproof:	yes
Application temperature:	-5 °C to +30 °C, can be applied with CK 319 Special Spray Device
Coverage:	non-absorbent formwork approx. 90 m <sup>2</sup> /l absorbent formwork approx. 50 m <sup>2</sup> /l
Shelf life:	At least 24 months if stored in a cool place protected from direct sunshine. Use up opened containers as soon as possible.

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards of the German Standards Institute (DIN). The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23 °C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

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