

# CK 316

## Demoulding Agent

Concrete demoulding agent for steel, timber and plastic formwork

### CHARACTERISTICS

- ▶ very economical use
- ▶ good biodegradability
- ▶ rapid film formation
- ▶ solvent-free formulation
- ▶ no sensitivity to frost

### SCOPE OF USE

CK 316 Demoulding Agent is a chemically-physically active, mineral oil based concrete release agent with rapid film formation. This prevents the film from soiling and from being stripped off. CK 316 Demoulding Agent is especially recommended for use with steel/metal and plastic formwork, but also for wooden formwork. After stripping, the concrete surface has a low pore volume and corresponds to the structure of the formwork.

The formulation of CK 316 Demoulding Agent contains anticorrosion additives and is hydrophobic (water-repellent). It therefore protects the treated formwork against weathering and corrosion.

### SUBSTRATE PREPARATION

Before applying CK 316 Demoulding Agent, clean the formwork and remove any residues and dirt. Thorough cleaning is recommended in the case of heavily soiled formwork. Make sure that the substrate / formwork is kept free from ice!

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.

### APPLICATION

CK 316 Demoulding Agent is suitable for spray and brush application. Optimum results are achieved by



applying the demoulding agent with the special spray device CK 319. Also moss rubber squeegees can be used. To ensure optimum separation, a thin film of uniform thickness must be applied. Wait at least 20 minutes before casting the concrete.

The special product formulation allows application of a thin and uniform separating film. Thanks to its low viscosity, even inaccessible places such as formwork joints can be filled and thus protected. In the case of plastic formwork, we recommend carrying out a preliminary compatibility test. Due to the great number of plastic materials used today, we can only give a general assurance of suitability for the commonly used materials known to us.

### PLEASE NOTE

When using the product in enclosed spaces, ensure adequate ventilation. Before using CK 316 Demoulding Agent for protecting equipment and machinery,

make sure that the plastic components are resistant to oil. Protect eyes and skin by wearing adequate clothes! Please refer in particular to the information sheet "Concrete Release Agents" issued by the German Concrete Association. Please also read the Safety Data Sheet issued for CK 316 Demoulding Agent! 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**  
**Fax: +49 211 798 2148**

## TECHNICAL DATA

Density:	approx. 0.89 kg/dm <sup>3</sup>
Material base:	naphthene base oil
Physical state and colour:	liquid, transparent yellow
Flash point:	approx. 100 °C
Mode of action:	chemically-physically active
Evaporation residue:	(after 24 hrs at 80 °C) approx. 80 %
Heated formwork:	suitable up to 50°C
Rainproof:	yes
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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