

## PERIGOL® VCI 230 oil

PERIGOL® VCI 230 is an anti-corrosion oil with corrosion inhibitors that is resistant to hydrolysis and does not form an emulsion with water. These work both in direct contact (contact inhibitors) and via the vapor phase (vapor phase inhibitors).

PERIGOL® VCI 230 also protects metal surfaces that cannot or should not be reached directly by the oil. The prerequisite for atmospheric corrosion protection is an enclosed space in which the inhibitors can develop. The corrosion protection covers all steel, cast iron, copper and aluminum alloys, and fully or partially galvanized steel. Thus, for example, any type of housing can be protected on the inside without filling it up completely with oil. On subsequent filling with gear or hydraulic oil, PERIGOL VCI 230 can usually remain in place. EXCOR® offers corresponding compatibility tests.

PERIGOL® VCI 230 is applied to dry, clean, and corrosion-free surfaces – by immersion, spraying, or painting. If application is not carried out directly in tightly sealed packaging, the parts that require protection must be wrapped up as tightly as possible immediately after application so that the VCI protective atmosphere can build up. In this way, good corrosion protection can be achieved with high stack densities and in areas that are difficult to access atmospherically. The general application instructions for all EXCOR® VCI systems apply for lasting, effective corrosion protection. In direct contact with the metal surface, PERIGOL® VCI 230 forms an oily, slippery film. Even after storage, it can be removed with aqueous alkaline cleaners.

VCI components that were initially gaseous and that have been deposited on the metal surfaces (adsorption) evaporate within 1 to 2 hours once the packaging has been opened.

### ADVANTAGES

effective in direct contact and via the vapor phase

amine-free, barium-free, hydrolysis-resistant, ester-free

non-emulsifiable

easy to remove, even after storage

thixotropic

fully compatible with cathodic dip coating

compatible with non-ferrous metals

compatible with TRGS 615

**EXCOR®: The corrosion protection that comes from the packaging!**

### Protective effect\*

Type A: steel, galvanized steel, Cu, brass, aluminum 2xxx (Cu), Mg alloys possible, cast iron

\* For metal parts with unusual surface finishes, e.g. very rough surfaces or adhesive residues from processing agents, it is advisable to carry out tests using model packaging in a climate that simulates actual conditions before using EXCOR® VCI materials on a large scale. Climate test cabinets and chambers (up to a volume of 16 m<sup>3</sup>) are available for this purpose at EXCOR® Korrosionsforschung GmbH in Dresden.

# PERIGOL® VCI 230



## Technical data

### Chemical composition

Anti-corrosion additives (sulfonate-based), special mineral oil raffinates and fatty acid derivatives with VCI inhibitors that take effect via the development phase.

### Application

The ready-to-use anti-corrosion oil is applied by immersion, spraying, or painting. Stirring or shaking is recommended before use. After use, the container should be sealed to avoid unnecessary VCI loss.

Application temperature 20 °C to 60 °C

Immersion time < 20 s

Drip-off time 5–15 mins.

Layer thickness 2–4 µm

Dosage approx. 250 ml/m<sup>3</sup>

Removal in accordance with VDA 230-213

Compatible with cathodic dip coating in accordance with VDA 230-213

### Product specifications

Density/15 °C DIN EN ISO 12185 900 kg/m<sup>3</sup>

Viscosity/40 °C DIN 51562 24.0 mm<sup>2</sup>/s

Flashpoint DIN EN ISO 2592 > 100 °C

Solvent content 5% by weight

### Corrosion protection test

Jar test based on DIN EN ISO 6270-2 min. 30 cycles

### Storage

At temperatures of +10 °C to +30 °C, stir product before using! min. 24 months

### Approvals

Approved by:  
Daimler AG (DBL 6991.86)

## Delivery forms

20 l canister  
32 units/pallet

200 l metal barrel

500 ml aerosol can  
12 units/box

## Disposal

Disposal in accordance with official regulations. Contaminated packaging should ideally be emptied and can be recycled after appropriate cleaning.

This product information is intended to allow the user to make an initial selection and does not include any product warranty or guarantee of any properties. The information in this technical section also does not absolve the user from testing a selected product in experiment before using it. We will be happy to provide samples for this purpose on request.

## Contact us at:



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