

PERIGOL® 100 oil

PERIGOL® 100 is a solvent-free anti-corrosion oil that is resistant to hydrolysis and does not form an emulsion with water for temporary corrosion protection, particularly of ferrous metals, uncoated or partly galvanized steel, and cast iron. However, it can be used for all other sorts of metal.

Its primary use is for pre-treatment of metal surfaces that are particularly susceptible to corrosion in order to protect them – e.g. during transport within a company – before the goods concerned can be packed and protected against corrosion with EXCOR® products. As PERIGOL® 100 is fully compatible with the EXCOR® VCI system, pre-treated metal surfaces can be packed using EXCOR® products without restriction.

PERIGOL® 100 can be applied using an immersion or spraying process. Its thixotropic characteristics shorten the drip-off time after application and increase the effective layer thickness and the temperature stability of the effective layer up to approx. 60 °C. PERIGOL® 100 can withstand temperatures up to 100 °C for a short time (5-10 minutes).

The product forms an oily, slippery film on the metal parts, which can be removed with aqueous alkaline agents even after the parts have been stored. With a viscosity of 10 mm²/s, PERIGOL® 100 is ideal for low-pressure airless spraying applications (hand pump sprays, diaphragm spray guns). When used to coat sheet metal, PERIGOL® 100 is compatible with downstream processes such as gluing, greasing, and cathodic dip coating.

ADVANTAGES

extended corrosion protection for extreme conditions in combination with all EXCOR® VCI products

easy to use

resistant to hydrolysis, ester-free, non-emulsifiable

barium-free

fully compatible with cathodic dip coating

easy to remove after storage

thixotropic

versatile application

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 m³) are available for this purpose at EXCOR® Korrosionsforschung GmbH in Dresden.

PERIGOL® 100



Technical data

Chemical composition	Anti-corrosion additives (sulfonate-based), special mineral oil raffinates and fatty acid derivatives.		
Application	The anti-corrosion oil is ready to use. Application is either by immersion or spraying.		
	Material temperature	20 °C to 60 °C	
	Immersion time	< 30 s	
	Drip-off time	10–15 mins.	
	Layer thickness (depending on application)	2–4 µm	
	Removal	in accordance with VDA 230-213	
	Compatible with cathodic dip coating	cathodic dip coating	
Product specifications	Color	ISO 2049	1.5
	Density/15 °C	DIN EN ISO 12185	870 kg/m ³
	Viscosity/40 °C	DIN 51562	10.0 mm ² /s
	Refraction index n _D ²⁰	DIN 51423	1.4750
Corrosion protection tests	Climate change test 50 °C	DIN 50017	min. 10 cycles
	Open hall storage (central European climate)	12 months	
Storage	At temperatures of +10 °C to +30 °C, stir product before using!	min. 12 months	
Approvals	Meets the specifications of BMW AG, Daimler AG (DBL 6747.05 and DBL 6757) and Volkswagen AG (AKR 348 200).		

Delivery forms

20 l canister containing 17.4 kg
16 units/pallet

200 l barrel containing 174 kg

1,000 l IBC (intermediate bulk container)
containing 870 kg

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:

ZERUST  **EXCOR**

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