



EMIBO® dispenser

EXCOR® EMIBO® provides protection for uncoated metal parts as an easy-to-use VCI dispenser in capsule form, using the tried-and-tested EXCOR active VCI ingredients in enclosed containers, reusable packaging, cabinets, and stacking containers. It also serves as an additional VCI dose in large-volume packages or for long-term storage.

The EXCOR® anti-corrosion agents are in the capsule. On removal of the packaging, the corrosion inhibitors begin to evaporate from the dispenser into the surrounding air (= sublimation). In an enclosed packaging space, they thereby create an atmosphere in which metals are effectively protected against corrosion.

EMIBO® VCI dispensers are used wherever a transport or storage package already exists and as a result, anti-corrosion film or paper cannot be used. Existing containers can be provided with dry corrosion protection retrospectively thanks to the simple dosing and handling. It is equally easy to replace used dispensers.

EMIBO® VCI dispensers protect all standard metals and alloys against corrosion. If the application instructions and specific logistical and technical packaging requirements are observed, long-term corrosion protection of up to 15 years is possible with EMIBO® VCI dispensers.

ADVANTAGES

easy of use and simple dosing

straightforward dry corrosion protection by simply adding product to existing packaging

odour-free

long-lasting depot of active substance

there is no hazard from skin contact or inhalation

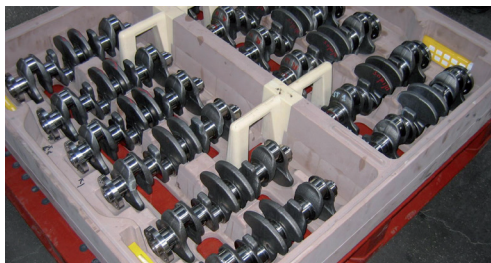
EXCOR® EMIBO®: The corrosion protection that works in the packaging!

Protective effect*

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

Type MM: steel, galvanized and tin-plated steel, Cu, brass, aluminum 2xxx (Cu), Al 4xxx (Si > 7%), 5xxx (Mg), 6xxx (Mg, Si), 7xxx (Zn), other Al alloys on request, combinations of the above metals

* 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.



Technical data

Brief description	EXCOR® EMIBO® is a VCI corrosion protection dispenser in the form of a capsule active ingredient dispenser: abrasion-resistant, dust-free, dry, and odorless.		
Appearance	EMIBO® PET folding box (yellow) with punched openings and a Tyvek (PE HD fleece) bag filled with active VCI ingredient granulate.		
Passivation phase of the active ingredient	Approx. 3 hours in an enclosed and sealed packaging space of 1 m³ and at a temperature of 20 °C. The closer the packaged goods to be protected are to the VCI active ingredient dispenser, the shorter the passivation phase.		
Effective period	Up to 6 months from production if application instructions are observed. If the application instructions, specific logistical and technical packaging requirements are observed, long-term preservation of up to 15 years is possible.		
Storage	EXCOR® EMIBO® VCI dispensers can be stored for up to 5 years as delivered in their sealed packaging and protected from direct sunlight, moisture, and dirt, and are suitable for follow-up application.		
Dosage	Single application	EMIBO® A-1	protects 1 m³ of packaging
		EMIBO® A-0.25	protects 0.25 m³ of packaging
	Multiple application	In the case of multiple application, it is necessary to saturate the air volume present in the packaging several times. The following calculation can be used (with individual values): 1. Calculate packaging volume: e.g. 800 x 600 x 300 mm 2. Establish number of applications: e.g. 7 3. Calculate number of capsules: Volume 0.144 m³ x 7 applications = volume to be saturated of 1.008 m³. This corresponds to 1 x EMIBO® A-1 or 4 x EMIBO® A-0.25	

Delivery forms

VCI dispenser EMIBO® A-1,
175 x 50 x 20 mm

VCI dispenser EMIBO® A-0.25,
75 x 50 x 17 mm

individual sizes on request

can be fitted with:

- Hook strap
- Strap band
- Dual lock
- Adhesive strips

All delivery forms also available in Type MM.

Disposal

recyclable

recoverable by material recycling or in the form of energy recovery according to the local administrative regulations

no dangerous waste according 2008/98/EC (EC Directive on Waste)

Health

no hazard from skin contact according dermatologic tests

no monitoring requirements under German "Technical Rules for Hazardous Substances" TRGS 615 and TRGS 900

not classified as hazardous according 1272/2008/EC (CLP Regulation)

safety data sheet available on request when product is ordered

Contact us at:

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