



EMIBO® Nature

The EMIBO® Nature dispenser capsule combines effective corrosion protection with sustainability. The cellulose VCI dispenser protects metals during the entire transport and storage period.

The EMIBO® Nature VCI dispenser capsule consists of 100% natural renewable raw materials. While the shell is made of tough cardboard, the VCI active ingredient carrier inside the capsule consists of multi-layered technical filter paper. EMIBO® Nature has an innovative VCI chamber system for improved circulation of the active ingredient and ultimately faster VCI release from the inside of the pack.

EMIBO® Nature offers both a rapid build-up of the VCI protective atmosphere, and also a reservoir of active ingredients that maintains its protective function even under extreme climatic conditions. The VCI dispenser made of pure cellulose is particularly suitable as a handy accessory pack for corrosion protection packaging designed for one-way transport. After use, the dispenser can simply be disposed of as waste paper, and the paper fibres that are recycled in this way can be reused. EXCOR® offers EMIBO® Classic for multiple usage in corrosion protection packaging.

In this way, EMIBO® Nature combines EXCOR's effective VCI with a natural carrier to form a corrosion protection dispenser that protects metals and contributes to the sustainable use of resources.

▶ ADVANTAGES

Easy to use

Dry corrosion protection thanks to simple addition into an existing package

Integrated VCI chamber system for improved circulation of active ingredients

Manufactured from 100% renewable raw materials

Easy to dispose of as waste paper

EXCOR® EMIBO®: Corrosion protection as a handy accessory pack!

▶ Protective effect*

Scope of protection: steel, aluminium, cast iron

* In the case of metal parts with unusual surface conditions, e.g. higher roughness or adhesive residues from processing media, taking the following measures is recommended before the large-scale technical application of EXCOR® VCI materials tests with model packaging in a climate that simulates practical conditions. For this purpose, EXCOR® Korrosionsforschung GmbH in Dresden has climate test cabinets and climate chambers (up to 16 m³ volume) available.

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Technical data

Brief description	EXCOR® EMIBO® Nature is a VCI corrosion protection dispenser in the form of an active ingredient dispenser capsule with openings for the free release of VCI.				
Structure	EMIBO® Nature consists of a cardboard housing with stamped-out windows on both sides. The housing contains 3 layers of technical filter paper that provide a reliable VCI depot. Each layer is separated by cardboard with punched holes to ensure a continuous supply of VCI from the core.				
Passivation phase of the active ingredient	Approx. 90 minutes for 1 m ³ of tightly enclosed packaging space at a temperature of 20 °C. The closer the packaging material to be protected is to the VCI active ingredient dispenser, the shorter the construction phase.				
Effective period	EMIBO® Nature saturates the packaging room once while maintaining a high active ingredient reservoir.				
Storage	EMIBO® can be stored for up to 2 years as delivered in their sealed packaging and protected from direct sunlight, moisture, dirt, and are suitable for follow-up application.				
Dosage	<table><tr><td>EMIBO® A-1</td><td>protects 1 m³ of packaging</td></tr><tr><td>EMIBO® A-0,25</td><td>protects 0.25 m³ of packaging</td></tr></table> <p>Factors such as the transport route, climatic conditions, transport duration and the number of packaging openings must be taken into account when dosing the EMIBO® capsules.</p>	EMIBO® A-1	protects 1 m ³ of packaging	EMIBO® A-0,25	protects 0.25 m ³ of packaging
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Quality assurance



EXCOR® tests representative samples from each production of VCI packaging for the content of corrosion inhibitors. The emission rate of the VCI components is tested on a random basis. TÜV Süd certifies the verification and recognition of the measurement methods and QA processes used.

Environmental management



Since 2020, EXCOR® has been certified according to ISO Standard 14001:2015 and has introduced a corresponding environmental management system. We focus on projects to save electricity and CO² emissions. For us, the farsighted use of resources is the central basis for ecological sustainability.

Delivery forms

VCI dispenser EMIBO® Nature A-1,
175 x 50 x 17 mm

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

Can be equipped with:
- Hook tape
- Loop tape
- Dual lock
- Adhesive tape
- Cord

Disposal

Recyclable in terms of material or energy according to local official regulations

Health

No monitoring according to TRGS 615 and TRGS 900.

Not classified as hazardous according to 1272/2008/EC (CLP Regulation on Classification, Labelling and Packaging).

No danger through skin contact and inhalation

Free from nitrite and amines

Please contact us at:



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