



## EMIBO® und BALESO®

EXCOR® EMIBO® and EXCOR® BALESO® combine the proven corrosion protection effect of EXCOR®-VCI with an easy to use VCI dispenser in the form of a capsule (EMIBO®) or versatile diffuser bag (BALESO®).

The EXCOR® active corrosion protection substances are located within the capsule or diffuser bag respectively. After removal of the outer packaging the corrosion inhibitors sublime from the diffusers into the surrounding air, creating an atmosphere within the sealed packaging space which provides metals with effective protection from corrosion.

EMIBO® and BALESO® are used wherever transport or storage packaging is to be found and corrosion protection films and papers cannot be used. Their simple dosing and ease of use means dry corrosion protection can be provided for existing containers.

Used capsules and diffuser bags can simply be replaced. They provide protection for all usual metals and alloys.

Provided the instructions and specific logistic and technical packaging guidelines are followed EMIBO® and BALESO® allow long-term corrosion protection for up to 15 years.

### ▶ ADVANTAGES

Ease of use and simple dosing

Straightforward dry corrosion protection by simply adding product to existing packaging

Odour-free

Long-lasting depot of active substance

Non-toxic

No monitoring requirements under TRGS 615 and no restrictions under TRGS 900

Easy disposal through household refuse & landfill

If used in accordance with product data sheet:

- they pose no health hazard
- there is no hazard from skin contact or inhalation

**EXCOR® the corrosion protection that comes out of the packaging!**

### ▶ Protective effect\*

Type A: Steel, galvanised and tin-plated steel, Cu, brass, aluminium 2xxx (Cu), Mg alloys possible, cast ir

Type MM: Steel, galvanised and tin-plated steel, Cu, brass, aluminium 2xxx (Cu), 5xxx (Mg), 6xxx (Mg, Si), 7xxx (Zn), other Al alloys on request, also combinations of the above metals

\* In the case of metal parts with unusual surface properties, such as high levels of roughness or coated with residue from processing media, before the large-scale commercial employment of EXCOR VCI materials we advise conducting tests on sample packaging in an environment simulating the actual conditions of use. Various climatic test cabinets and environmental chambers up to 16 m<sup>3</sup> in volume are available for the purpose at EXCOR Korrosionsforschung GmbH in Dresden.

# EMIBO® and BALESO®



## Technical Data

### Brief characteristics

EXCOR® EMIBO® is a VCI corrosion protection dispenser in capsule form. Abrasion-resistant, dust-free, dry and odour-free

EXCOR® BALESO® is a VCI corrosion protection dispenser in the form of a diffuser bag. Abrasion-resistant, dust-free, dry and odour-free

### Appearance

EMIBO® PET folding box (yellow), with stamped openings and a Tyvek (PE-HD fleece) bag filled with VCI granules

BALESO® Tyvek (PE-HD fleece) bag filled with VCI granules

### Active substance build-up phase

About three hours in one m<sup>3</sup> of tightly sealed packaging space at a temperature of 20°C. The closer the product is to the VCI dispenser the shorter the build-up phase.

### Active life

Up to six months provided instructions are followed. Long-term preservation for up to 15 years is possible if the instructions and specific logistic and technical packaging guidelines are followed.

### Storage

As delivered EXCOR® EMIBO® and EXCOR® BALESO® can be stored in sealed containers for subsequent use over the next five years (dry, clean & cool). Protect from direct sunlight, humidity and soiling.

### Dosing

Single use	EMIBO® A-1*	protects one m <sup>3</sup> packaging
	BALESO® A-0,25*	protects 0.25 m <sup>3</sup> packaging

Multi-use As the existing air volume will have to be saturated several times with multiple use, the following calculation should be made:

1. Calculate packaging volume: e.g. 800 x 600 x 300 mm
2. Determine anticipated number of uses, e.g. 7
3. Calculate number of capsules: volume 0.144 m<sup>3</sup> x 7 uses = volume to be saturated of 1.008 m<sup>3</sup>. This requires one EMIBO® A-1 or four BALESO® A-0.25

## Delivery forms

EMIBO® A-1 capsule  
175 x 50 x 20 mm

BALESO® A-0.25 diffuser bag  
100 x 65 mm

Individual sizes on request

## Disposal

Disposal through household refuse & landfill

## Health

No monitoring requirements under TRGS 615 and no restrictions under TRGS 900

Non-toxic

Unopened capsules do not pose any risk on skin contact or inhalation

Avoid direct skin contact with the granules inside the capsules and bags

### Contact us at:

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