

## UNICO® anti-corrosion foam

EXCOR® UNICO® VCI foam combines the established anti-corrosion effect of EXCOR® with soft foam – a popular packaging material because of its versatile range of functions, among other things.

This open-cell polyurethane foam enlarges the releasing surface area and the development phase is therefore quicker. EXCOR® UNICO® VCI foam complements EXCOR® anti-corrosion products based on film and paper. In combination with existing VCI packaging, EXCOR® UNICO® can provide faster protection. But the foam alone can also protect against corrosion – in enclosed packing spaces or interiors of cabinets, housings, hollow bodies, and machines. EXCOR® UNICO® is odorless, dry, and abrasion-resistant. The anti-corrosion properties meet the standards of TL 8135-0043, Level 3. EXCOR® UNICO® is available in various densities and many formats.

### ▶ ADVANTAGES

fast-acting thanks to large surface area (open cell structure)

slow release of VCI thanks to high-performance reservoir

effective on both sides

flexible, dry, and abrasion-resistant

no danger from skin contact or inhalation if used properly

**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.

# UNICO® Foam



## Technical data

**Brief description** EXCOR® UNICO® is a corrosion protection foam made from polyurethane, impregnated with an EXCOR® VCI solution. It is effective on both sides, abrasion-resistant, odorless, and dry.

**Dosage** Depending on conditions of application, 1 m<sup>2</sup> of foam protects approx. 2 m<sup>3</sup> packaging volume. A section (230 x 270 mm) protects approx. 200 liters of packaging volume.

**Development phase of the active ingredient** Approx. 30 minutes in an enclosed and sealed packaging space of 1 m<sup>3</sup> and at a temperature of 20 °C. The closer the packaged goods to be protected are to the VCI dispenser, the shorter the development phase.

**Effective period** Up to 2 years from production if application instructions are observed. If the application instructions and specific logistical and technical packaging requirements are observed, long-term corrosion protection of up to 15 years is possible.

**Storage** EXCOR® UNICO® can be stored for up to 2 years as delivered in its sealed packaging and protected from direct sunlight, moisture, and dirt, under normal storage conditions.

**Approvals** Approved by:  
Audi AG, BMW AG, Daimler AG, Volkswagen AG

<b>Technical data</b>	Foam density	40 kg/m <sup>3</sup>
	Standard	Foam thickness 5 mm

## Delivery forms

Various thicknesses and qualities on request. Available on a roll and as pre-cut pieces, including in self-adhesive form.

**Standard**  
EXCOR® UNICO® Type A  
Thickness 5 mm  
On a roll 1,000 mm x 60 m  
Pre-cut pieces 230 x 270 mm

## Disposal

Can be recycled for materials or energy in accordance with local regulations.  
Observe safety datasheet.

## Health

Classification not required under 1272/2008/EC (CLP Regulation on Classification, Labelling and Packaging of Substances and Mixtures).

No risk to the skin in dermatological testing.

No monitoring required under TRGS 615 and TRGS 900.

Contact us at:



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