



ABRIGO® paper

EXCOR® ABRIGO® VCI anti-corrosion paper combines the proven and superior anti-corrosion properties of EXCOR® with the tried-and-tested properties of a high-quality packaging paper.

ABRIGO® paper is a 1A specification kraft paper saturated with EXCOR VCI (Volatile Corrosion Inhibitors). It is strong, flexible, abrasion-resistant, and easy to handle. The VCI impregnation contains the tried-and-tested EXCOR® anti-corrosion active ingredients and releases them from both sides of the paper. In this way, ABRIGO® paper prevents application errors. Depending on its formulation type, ABRIGO® kraft paper comes in multiple formulation types designed to protect specific metals and alloys. The kraft paper protects in direct contact and via the vapor phase active anti-corrosion chemistry as it diffuses from the paper to form a gas in the sealed paper packaging and protect the enclosed metal surfaces.

When the ABRIGO® packaging is opened, the protective molecular layer evaporates from the metal surface without any residue within 1 to 2 hours. The packed goods can be used without further processing. ABRIGO® retains its kraft-paper-specific packing properties and is non-slip and dry. Through the gradual release of the active ingredients in doses, it remains active over a considerably longer period. The anti-corrosion properties meet the standards of TL 8135-0002, Level 3. ABRIGO® can be used as individual packaging, interleaving, or simply as a VCI diffuser. Along with the standard product sizes, specialty and custom sizes of rolls or sheets can be supplied. This flexibility allows the optimal consumption for cost-effective applications.

ADVANTAGES

effective on both sides, even at high relative humidity ($\leq 98\%$)

abrasion-resistant

no danger from skin contact or inhalation if used properly

meets TL 8135-0002, Level 3

EXCOR®: The corrosion protection that comes from the packaging!

Type E: steel, cast steel, partly galvanized steel, Cr, Al 4xxx (Si > 7%), cast iron

Type NE(C): Cu, brass, Al 2xxx (Cu) and 5xxx (magnesium) possible

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

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.

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Technical data

Brief description EXCOR® ABRIGO® is an anti-corrosion paper based on a 40 g/m² or 70 g/m² kraft paper, treated with an EXCOR® VCI coating solution, which is effective on both sides and abrasion-resistant.

Appearance Typical brown paper, with colored printing for differentiation (Type E yellow, NE blue and MM green), Type A with individual printing.

Dosage 1 m² ABRIGO® can protect up to 10 m² of metal surface. As factors such as pretreatment of the parts, packaging design, and logistics processes can influence the protective effect, technical coordination of the dosage may be advisable. Our application engineers will be happy to advise you.

Passivation phase of the active ingredient Approx. 1 hour 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 diffuser source, the more rapid the passivation 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® ABRIGO® can be stored for up to 2 years as delivered in its sealed packaging and protected from direct sunlight, moisture, and dirt.

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

Technical data	Weight	DIN 53 479	40 g/m ² or 70 g/m ² kraft paper	
			Bursting strength (average value)	ISO 2758
			170 kPa	310 kPa

Quality assurance For each production run of VCI packaging, EXCOR® checks representative samples for the content of corrosion inhibitors. The emission rate of the VCI components is checked by sampling. TÜV Süd certifies the testing, measurement methods, and QM processes used.



Delivery forms

EXCOR® ABRIGO® is available in various paper qualities and grammages.

Formats:
- Rolls
- Sheets

Optional:
- one-sided polyethylene coating
- customized printing

Available from the warehouse as standard:
EXCOR® ABRIGO® paper
Type E, A and MM
40 g/m² and 70 g/m²
780 mm, 25 kg/roll

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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