

ABRIGO® PAPER

THE CORROSION PROTECTION WHICH COMES OUT OF THE PACKAGING

ADVANTAGES

- effective on both sides, also at higher relative humidity ($\leq 98\%$)
- abrasion-resistant
- recyclable, landfill disposable (domestic waste), combustible
- harmless to health, non-toxic, no hazards by skin contact or inhalation
- in accordance with TL 8135-0002, Level 3
- long-lasting active substance reserve due to microencapsulation

Place the metal parts to be protected into a closed container and without the need of any additional treatment they will be protected for many years!



PRODUCT DESCRIPTION

EXCOR® ABRIGO® VCI Corrosion Protection Paper combines the known good corrosion protection properties of EXCOR® with the proven paper properties of a traditional packaging medium ABRIGO® is a first-class Kraft paper with solid usage properties. It is strong, flexible, abrasion-proof and easy to use. Its two effective sides guard against application errors. The VCI impregnation contains the proven EXCOR® corrosion protection active ingredients and emits them from both sides in a regulated manner. Depending on the design type, specific metals and alloys are protected by direct contact and also via the vapour phase. ABRIGO® retains its specific packaging properties, and it is wipe-proof and dry. As a result of its regulated emission of corrosion protection substances, ABRIGO® provides a clearly prolonged duration of action.

The corrosion protection properties are in accordance with the requirements of TL 8135-0002, Level 3.

ABRIGO® can be used as individual packaging, intermediate layer or simply as VCI diffuser. In addition to the standard dimensions, the delivery of individual dimensions as rolls or sheets is also possible. This flexibility allows optimum usage quantities for economical applications.

PROTECTIVE ACTION

Type E:

films for the protection of ferrous metals, chrome, nickel, aluminium alloys with silicon, partial-plated steels, iron casting of types nodular c.i. and laminar c.i.

Type NE(C):

films for the protection of copper, brass, bronzes, nickel silver, aluminium alloys with copper and manganese

Type NE(S):

films for the protection of magnesium and magnesium alloys, silver and manganese

Type MM:

for combinations of iron and non-ferrous metals, aluminium alloys with zinc and manganese, galvanised steels, zinc and copper materials

* Due to the multitude of metal alloys, also in connection with the surface condition of the parts to be protected, we offer simulation tests in our climatic chambers.



TECHNICAL INFORMATION

DELIVERY FORMS

- EXCOR® ABRIGO® can be delivered in diverse paper qualities and gram paper weights

- product forms:
 - roll goods
 - sheets

optional:

- one-sided polyethylene coating
- customer-specific imprint

Standard available ex warehouse:

- EXCOR® ABRIGO® Paper
Type E and Type MM
40 g/m² or 70 g/m²
780 mm, 25 kg/roll

DISPOSAL

- recyclable
- suitable for disposal in landfills (domestic refuse)
- combustible



HEALTH

- non-hazardous to health
- non-toxic
- no hazard due to skin contact or inhalation
- no application restrictions according to TRGS 615

QUALITY MANAGEMENT

The concentration and emission of the VCI-active substances are controlled regularly. The quality management method is certified by TÜV SÜD and is supervised.

Brief description	EXCOR® ABRIGO® is a corrosion protection paper on the basis of 40 g/m ² or 70 g/m ² Kraft paper, treated with an EXCOR® VCI coating solution, effective on both sides and abrasion-resistant.		
Appearance	Paper typically brownish, for differentiation equipped with coloured imprint (Type E yellow, Type NE blue and Type MM green).		
Dosage	1 m ² of ABRIGO® can protect up to 10 m ² of metal surface. Since the dosage is influenced by many factors (such as the package design, logistic processes, the pretreatment of the parts, etc.), technical matching may be necessary. Our application technicians will be glad to advise you.		
Build-up phase of active substance	With a tightly enclosed 1 m ³ packaging space approx. 1 hour at a temperature of 20° C. The closer the goods to be packed and protected are to the VCI diffuser, the shorter is the build-up phase.		
Duration of action	Up to 2 years if the instructions for use are complied with. If the instructions for use and specific logistic and technical packing preconditions are followed, a long-term protection against corrosion of up to 15 years is possible.		
Storage	As delivered or in a sealed package EXCOR® ABRIGO® can be stored up to 2 years (normal storage conditions). Protect against direct solar radiation, moisture and soiling.		
Approval	Has been approved by: Audi AG, BMW AG, Daimler AG, Volkswagen AG		
Technical Data	gram weights	DIN 53 479	40 g/m ² or 70 g/m ² Kraft paper
	burst resistance (Mean)	ISO 2758	40 g/m ² 170 kPa
			70 g/m ² 310 kPa
abrasive disk method at 100 revolutions (Mean)	DIN 53 109	smooth side	61 mg
		rough side	52 mg

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