

CORPALIN® VCI high-tech coex films

CORPALIN® VCI film combine the latest coex film technology with the most effective anti-corrosion protection for all your metal products.

Sealing your product in CORPALIN® VCI films protects metal parts from all types of corrosion including rust, tarnish, stains, white rust and oxidation for up to 15 years.*


CORPALIN® VCI film can replace conventional rust preventives such as oil, grease and desiccants. Another advantage of the CORPALIN® VCI packaging is that there is no need to remove coatings, degrease or clean the protected parts as it was required in the past. Your product is immediately ready for use. CORPALIN® is transparent which makes it easy to identify parts. The active ingredients are free of amines, phosphates and halogen-based substances. CORPALIN® VCI film is non-toxic and 100% recyclable.

The active VCI ingredients vaporize and then condense on all metal surfaces in the closed packaging. The vapor phase reaches all areas of the surface that require protection and thus effectively protects a part's exterior as well as its hard-to-reach interior from corrosion. The products are fully protected against corrosion damage during storage, domestic and overseas transport.



Corpac® CORPALIN® VCI films are- with a few exceptions or on special customer request- manufactured exclusively in coextruded quality. Thereby the user's contact with the active VCI ingredients is reduced to a minimum (TRGS rule 615) and the potential effect on the metal increased significantly.

Advantages:

- ✓ 100% recyclable, 100% PE 
- ✓ Harmless, non-toxic
Minimized skin contact
- ✓ Compliant with
with rule TRGS 615
- ✓ Parts can be used
immediately -dry, clean and
non-corrosive

protected metals/alloys: *:

- 1 **Steel, Iron based materials:** carbon steel, stainless steel, galvanized steel, cast iron
- 2 **Copper, brass, bronze**
- 3 **Aluminum alloys**
- 4 **Magnesium** [5xxx (Mg), 6xxx (Mg, Si), 7xxx (Zn)]
- 5 **Silver**

*For metal parts with special surface conditions (increased roughness, residues of processing or washing agents) it is recommended to carry out a climatic chamber test with model packaging or to contact our technical department.

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Technical data

VCI corrosion protection: With proper application and observation of handling instructions 2-5 years. Depending on the version, up to 15 years can be achieved. For more details, please approach your Corpac contact.

Shelf life: The shelf life in the original packaging and under normal conditions (protected from direct sunlight and dampness) is 5 years.

Recycling: 100% LDPE, 100% recyclable

Physical - mechanical properties:

Test	Test method	Unit	Value
Average film thickness	DIN 53370	µm	100
Tensile strength at break longitudinal/transverse	DIN EN ISO 527	MPa	30 / 28
Elongation at break longitudinal/transverse	DIN EN ISO 527	%	650 / 780
Shrinkage ratio longitudinal/transverse	Verpa method	%	74 / 29
Slide-friction external/external	DIN 53375	-	0,30
Slide-friction internal/internal	DIN 53375	-	0,25
Dart Drop	ASTM D 1709 A	g	450
Wim corrosion test	TL 8135-0002 A	-	grade 3 good effect

Products:

- Flat film
- Tubular film
- Half tube
- Bags
- Hoods
- Gusset bags
- Rectangular hoods
- Customized cuts

Qualities:

- Film
- Bubble film
- Stretch film
- Shrink-wrapping film
- PE corrugated film
- Dispenser film

Further possible properties

- Flame-retardant film
- VCI antistatic
- VCI ESD quality

(DIN EN 61340-5-1
Rs = 109- 10 11)

Keep in touch!

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CORPALIN® VCI anti-corrosion film.

Simple. Safe. Cost-effective.

We set standards!

*The properties mentioned are statistically determined values. The values may vary due to changed production conditions or production machines. Overall liability cannot be derived from these data.