CORPAC
DEUTSCHLAND

CONVINCING CORROSION PROTECTION

Corpalin® VCI FILM

CORPALIN® VCI FILMS COMBINE THE LATEST COEX FILM TECHNOLOGY WITH THE MOST EFFECTIVE CORROSION PROTECTION FOR ALL YOUR METAL PRODUCTS.

APPLICATION:

By tightly wrapping your product in Corpalin® VCI film, metal parts are protected against corrosion for up to 15 years*. Corpalin® VCI film can replace conventional corrosion protection agents such as oil, grease or desiccants. Another advantage of Corpalin® VCI packaging is that there is no need to remove coatings, grease or clean the protected parts.Your product is ready for immediate use. The active ingredients used comply with national and international regulations such as TRGS 615 or the REACH Regulation. Corpalin® VCI film is 100 % recyclable.

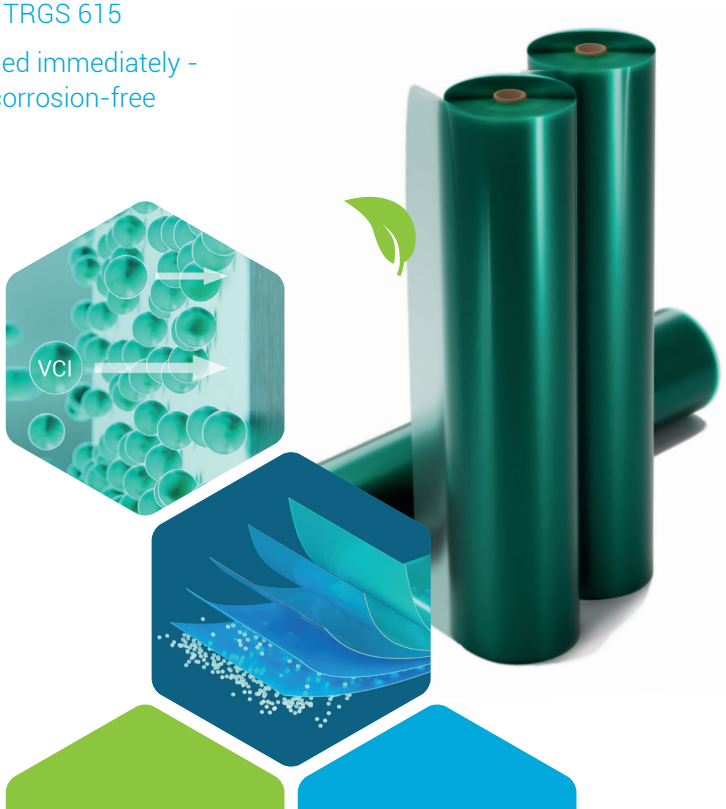
FUNCTION:

In the field of corrosion protection, VCI stands for "Volatile Corrosion Inhibitor". The VCI active ingredients sublimate from the film, saturate the air inside the packaging and condense on the metal surfaces in the closed packaging. All areas of the surface to be protected are reached via vapor phase, effectively protecting both the outer and hard-to-reach inner surfaces from corrosion. The products are fully protected against corrosion damage during storage, handling, domestic and overseas transportation.

COEX TECHNOLOGIE Corpac Corpalin® VCI films are manufactured in coextruded quality, with a few exceptions or on special customer request. Due to the mulit layer structure, Corpalin® VCI film can be individually adapted to customer requirements. The outer layer of 100% polyethylene minimizes contact between the user and the VCI active ingredients. As required by TRGS 615. The other layers are optimized for a high VCI effect and the lowest possible water vapour diffusion.

ADVANTAGES:

- 100 % recyclable, 100 % PE
- non-hazardous, non-toxic, minimized skin contact
- Compliant with TRGS 615
- Parts can be used immediately - dry, clean and corrosion-free



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* Special barrier films required.
We will be happy to develop a customized concept for you.

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Corpalin® VCI FILM

PRODUCTS & QUALITIES

- FLAT FILM
- TUBULAR FILM
- CUTTING
- BAGS / HOODS
- SIDE GUSSETED BAG
- R-HOODS
- ELASTIC DRAWSTRING BAG
- PRESSURE BAG
- STRETCH FILM
- CORRUGATED FILM
- BUBBLE WRAP
- HAND CONFECTION

OTHER POSSIBLE FEATURES:

- HIGH TEAR RESISTANCE •
- BIAXIAL SHRINKABLE
- LAMINATED FOILS WITH ALUMINUM
- ANTISTATIC
- ESD $R_S 10^9 – 10^{12}$ Ω FLAME
- PROTECTION
- UV-STABLE / UV-ABSORBER
- CUSTOMER PRINT

PROTECTED METALS / ALLOYS**

- steel, zinc, carbon steel, stainless steel, galvanized steel
- copper, brass, bronze, various cast irons
- magnesium
- aluminum alloy [5xxx (Mg), 6xxx (Mg, Si), 7xxx (Zn)]
- silver

TECHNICAL DATA

VCI CORROSION PROTECTION	If used correctly and in accordance with the application instructions, 2 - 5 years. Depending on the VCI-Film parameters, up to 20 years can be achieved. Please get in touch with your Corpac contact person.
DURABILITY	The shelf life in the original packaging under normal conditions (protected from direct sunlight and moisture) is 5 years.
RECYCLABILITY	100 % LDPE, 100 % recyclable
SUSTAINABILITY	Possible with maximized recycled content (Corpac Green Life variant)

PHYSICAL - MECHANICAL PROPERTIES ***

PARAMETERS	TEST METHOD	UNIT	VALUE normal quality	VALUE Highly tear-resistant
Medium film thickness	DIN 53370	µm	100	80
Tear strength lengthwise/crosswise	DIN EN ISO 527	MPa	> 27 / 22	28 / 29
Elongation at break lengthwise/crosswise	DIN EN ISO 527	%	> 420 /570	450 / 450
Dart Drop	ASTM D 1709 A	g	> 160	> 450
WIM corrosion test	TL 8135-0043	-	Level 3, good effect	Level 3, good effect

** For metal parts with special surface conditions (increased roughness, residues of processing or washing media) we recommend carrying out a climate chamber test with model packaging or contacting our technical department.

*** The measured values listed were determined for a large number of productions and represent the lowest measured values in each case. It can therefore be assumed that at least the same or higher values will be achieved for new productions.