

Cor-Board® VCI-Twin-wall sheet

APPLICATION:

By packing your product airtight in Cor-Board® VCI twin-wall sheets, metal parts are protected against corrosion for up to 20 years*. Cor-Board® VCI twin-wall sheets can replace conventional corrosion protection agents such as oil, grease or desiccants. The prerequisite for this is airtight overall packaging. Another advantage of Corpac's VCI packaging is that the greasing or oiling that was previously required can be dispensed with. The protected parts do not need to be cleaned after unpacking. Your products are ready for immediate use.

Cor-Board® VCI twin-wall sheets offer a wide range of applications in the metal and automotive industry and combine mechanical protection with VCI corrosion protection:

- Round blanks for steel coils: protection against edge damage and corrosion
- Blanks for intermediate layers, covers or stacking protection
- Dividers for individual packaging of components for impact protection and/or robot removal
- Reusable packaging for internal transportation, for example, including corrosion protection
- Mesh box linings

FUNCTION:

In the field of corrosion protection, VCI stands for "Volatile Corrosion Inhibitor". The VCI active ingredients sublimate from the Twin-wall sheet, saturate the air atmosphere in the closed packaging, condense on all metal surfaces and protect against corrosion when the air humidity rises above 40 % RH. All areas of the surface to be protected are reached via the vapor phase and effectively protected against corrosion. The products are fully protected against corrosion damage during storage, handling and domestic and overseas transportation.

ADVANTAGES:

- Non-hygroscopic
- Abrasion resistant
- High stability with low weight
- Good mechanical protection
- Automated packaging possible
- Water-repellent, resistant to chemicals
- Reusable: saves costs and reduces waste
- Versatile and flexible

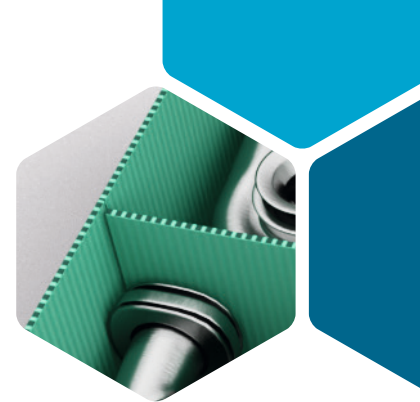
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Cor-Board® VCI-Twin-wall sheet

PRODUCTS & QUALITIES

- Blanks / Interlayers
- Dividers
- Boxex
- Round blanks
- Fefco solutions
- Constructive solutions

OTHER POSSIBLE FEATURES:

- Antistatic
- UV-stable / UV-absorber
- Customer print
- Perforation / needling for labeling

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 years. Depending on the application, 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 (protect from direct sunlight and moisture) is 5 years.

RECYCLABILITY

100 % Polypropylene (PP), 100 % recyclable

SUSTAINABILITY

Possible with maximized recycled content (Corpac Green Life variant)

PRODUCTION OPTIONS

Thickness	MIN.	MAX.
2 mm	250 g/m ²	600 g/m ²
2,5 mm	350 g/m ²	700 g/m ²
3 mm	400 g/m ²	1000 g/m ²
3,5 mm	500 g/m ²	1300 g/m ²
4 mm	600 g/m ²	1400 g/m ²
4,5 mm	750 g/m ²	1500 g/m ²
5 mm	850 g/m ²	1600 g/m ²

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

** 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.