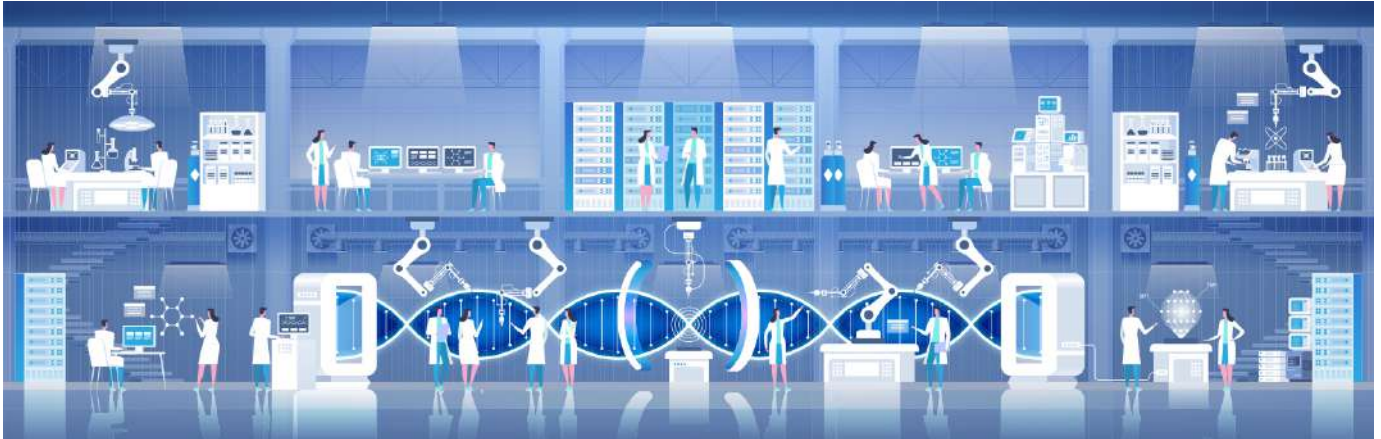


Product Sheet

BENZ VCI Paper



Protection has a trump card



The anti-corrosive **BENZ VCI Papers** have been successfully used for many years to protect metallic items from corrosion during transport and storage. The volatile molecules that impregnate **BENZ VCI Papers** are made with patented **Propatech VCI Technology**. These molecules get deposited on the metallic surfaces, forming a complex layer capable of cancelling the attacks of many environmental pollutants, thus protecting them from corrosion.

The **BENZ VCI** anti-corrosive papers have several applications and are particularly suitable for being used as intersecting layers between the products, as a **VCI** reserve tank combines with other **BENZ VCI** products.



DOUBLE-SIDED PAPER

The volatile **BENZ VCI** molecules sublime from both sides of the paper. This is why the double-sided papers are particularly suitable for performing an intersection role between two layers of product to be protected. They can also be used in packages with **BENZ VCI Film** in order to extend the effectiveness and duration.



POLY-COATED PAPER

The **BENZ VCI** poly-coated papers are made by applying a layer of polyethylene onto the base paper. The polyethylene performs the double function of a barrier against the external atmospheric agents while releasing the active substance exclusively within the packaging, thus preventing the dispersion towards the exterior.



DOUBLE-SIDED CREPE PAPER

In addition to the features of the traditional double sided papers, there is the elasticity and the extendibility of the crepe paper. These papers are particularly suitable for packaging heavy-duty industrial products.

To solve problems caused by:



Corrosion



Oxidation





WOVEN-FABRIC COATED PAPER

The **BENZ VCI** poly-coated papers can be combined with other materials such as fabric or plastic netting. The Woven Fabric Coated VCI Paper combines the anti-corrosive protection of the paper to the strength of the netting and to the water-proof capacity of polyethylene.

ROLLS, SHEETS AND BAGS IN BENZ VCI PAPER

The **BENZ VCI** papers are available in roll, sheet or bag format.

Consult your sales representative to get information about our standard formats available in the stock.

How does VCI molecules work?

The additive in the **BENZ VCI Paper** is able to diffuse inside the packaging, thus granting protection from the corrosion of the packed metallic parts.

Phase I: **Sublimation** – This means transformation of VCI molecules into gaseous state. The VCI molecules gets released from the **BENZ VCI Paper** to form a transparent gas inside the closed packed environment.

Phase II: **Diffusion** – This refers to volatile distribution of VCI molecules into the packaging.

Phase III: **Adsorption**: This means the VCI molecules present in the closed environment inside the box, gets deposited on the metallic surface of the component thus deflecting any moisture, oxygen, corrosive gases present in the environment.

During transport, when the temperature changes this water vapour in addition to the humidity imprisoned during the packaging process will vary the relative humidity, with the risk of reaching the dangerous dew point, causing creation of water droplets inside the packaging. To avoid this type of problem, we recommend you to use **C Dry** or **BE Dry** desiccant products.



Other Products with BENZ VCI Paper

BENZ VCI Paper are available in following types;

- VCI Paper Envelope Bags
- VCI Paper Sealed Pouches
- VCI Paper 3D Bags
- VCI Cardboard



Certifications & Regulations

BENZ VCI Paper are certified according to TRGS 615 Standard and are recyclable. All BENZ Packaging products are ISO 9001 and ISO 14001 certified.

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