

Ferrogard

VCI Anticorrosion Paper



■ **BRANOguard**
Temporary corrosion protection for the automotive, mechanical engineering and metal processing industries.

■ Product Characteristics

Ferrogard is a kraft paper coated with the basic VCI quality of BRANOpac. By emitting constantly a small amount of active anticorrosion substances (VCI principle: Volatile Corrosion Inhibitor), Ferrogard papers helps to protect metal parts during transport and storage. Active VCI agents effuse and build up a protecting atmosphere, which protects reliably against rust, even after having opened the package for a short time — the protecting atmosphere can be re-build immediately. Ferrogard works both in contact and from a distance. Ferrogard can be used as a simple single wrap, interlayer or lining material.

■ Development of the Protective Atmosphere

The distance between Ferrogard paper and metal depends on the package volume and the time permitted for a protecting atmosphere to build up. A rule of thumb: for steel and cast iron, a full protection is achieved at a distance of 30 cm after 15 minutes.

■ Range of Protection

According to your application, basic VCI papers are available in different performances.

- R Ferrogard R protects steel, cast iron and iron reliably. Be careful with, zinc, lead, soldering tin, magnesium, wolfram, molybdenum, copper and its alloys.
- U MULTGuard protects steel, cast iron (only on contact), zinc, copper, chrome, bronze, brass, pure aluminium, pure tin reliably against corrosion. Be careful with Cadmium, lead, soldering tin, magnesium, wolfram and molybdenum.
- M Ferrogard M, same as Ferrogard, but without nitrite.



■ Advantages

- Environmentally friendly corrosion protection based on paper
- Metal parts are ready for use at any time
- Oiling and greasing aren't necessary anymore
- Economy of time
- Package and anticorrosion protection together
- Simple disposal
- Low package requirements
- In accordance with TRGS 615
- Marked with the Resy label
- Represents no health hazard
- BRANOpac is certified according to ISO 9001 and ISO 14001



Branopac
Solutions with System

Ferrogard Product Information

Forms of Delivery	<p>Rolls and sheets.</p> <p>All types of Ferrogard papers are smooth papers available in various thicknesses — one- or two-sided effective. Meanwhile, there are varied special types, e.g.:</p> <p>Ferrogard K creped Ferrogard P with PE Ferrogard KP creped, with PE</p>
Storage	Cool and dry, shielded from the sun. Maximum storage time in the original package: up to 12 months.
Duration of Protection	12 months for cast iron, and 18 months for steel and iron. For higher demands on the duration of protection, please contact your packaging consultant.
Disposal	Ferrogard is an acceptable material. It is marked with the Resy label. Because the thermal value is > 11.000 kJ/kg, the material can be furnished for energy use. If such utilisation is not technically possible or reasonable, the material can, in accordance with local official regulations, be disposed of with domestic refuse or burned.
Quality	All Ferrogard papers of this product information are in accordance with TRGS 615. The papers are being checked continuously by independent institutes.
Operation Safety	<p>According to the hazard substance ordinance, Ferrogard is not a dangerous preparation. In dealing with it, good room ventilation should be provided; no eating or drinking when working with it; no foodstuff to be stored at work, and wash hands and face after work.</p> <p>  In contact with corrosion protection material it is recommended to wear appropriate protective gloves (TRGS 615). BRANOpac recommendation: "Campura Comfort" No. 619 by the company KCL.</p>
Requirements	The metal is to be packaged clean and dry.

Ferrogard-VCI-products are to be used as described above. Otherwise, no responsibility for caused damages can be taken.

The information given is in line with current state of knowledge. It's non-binding and might have to be adjusted to meet local requirements. No liability is accepted for this information. Please contact us in case of doubt.

You will find more information at:
www.branopac.com or
www.branopedia.com

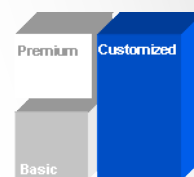


Paper is the Future

When you see the BRANO-pac „Naturally Protected“ seal, you can be sure, these branded products have been manufactured in an environmental-friendly way and they offer excellent protection.

Solutions with System

According to your requirements, you have the choice between three BRANOpac solutions: BRANOpac Basic, Premium or Customized.



Branopac
 Solutions with System

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