

MULTIguard

VCI Anticorrosion Paper



■ BRANOguard

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

■ Product Characteristics

MULTIguard is a kraft paper combined with the basic VCI quality of BRANO-pac. By constantly emitting a small amount of active anticorrosion substances (VCI principle: Volatile Corrosion Inhibitor), MULTIguard papers help 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 rebuilt immediately. MULTIguard works both in contact and from a distance.

MULTIguard can be used as a simple single wrap, interlayer or lining material. For basic applications in production, storage and shipping.

■ Development of the Protective Atmosphere

The distance between MULTIguard 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, a full protection is achieved at a distance of 30 cm after 15 minutes, for copper and alloy, at 12 cm and after 24 hours. Cast iron is only protected on contact.

The air tighter the package, the longer the protection will last.

■ Range of Protection

According to your application, basic VCI papers are available in different performances (RUM formula).

- R Ferrogard protects steel, cast iron and iron reliably. Be careful with zinc, nickel, cadmium, lead, soldering tin, magnesium, wolfram, molybdenum, copper and its alloys.
- U MULTIguard 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



MULTIguard Product Information

Forms of Delivery	<p>Rolls and sheets.</p> <p>All types of MULTIguard papers are smooth papers available in various thicknesses — one- or two-sided effective. Meanwhile, there are varied special types, e.g.:</p> <p>MULTIguard K creped MULTIguard P 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	<p>12 months for cast iron, and 18 months for steel, iron and non-ferrous metals.</p> <p>For higher demands on the duration of protection, please contact your packaging consultant.</p>
Disposal	Waste Disposal Key 18716. MULTIguard 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 MULTIguard 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, MULTIguard 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.

MULTIguard-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

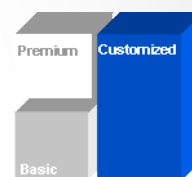


Paper is the Future

When you see the BRANOpac „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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