



BRANOrst Chips

VCI Anticorrosion Lining



■ BRANOguard

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

■ Product Characteristics

BRANOrst Chips are cuttings of different sizes and shapes made from cellulose and saturated with the premium VCI quality of BRANOpac. By emitting constantly a small amount of active anticorrosion substances (VCI principle: Volatile Corrosion Inhibitor), BRANOrst Chips helps to protect metal parts during transport and storage. In packages or containers lined with these Chips, a protecting atmosphere is built up, which reliably prevents corrosion of metal parts. BRANOrst Chips have a repository effect.

BRANOrst Chips are lined in packages or adhered to hollow spaces with thick outer walls. The better the outer seal, the longer the protection will last.

■ Development of the Protective Atmosphere

The distance between BRANOrst Chips 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, for copper and copper based alloys, at 12 cm and after 24 hours.

■ Range of Protection

According to your application, BRANOrst Chips are available in three different performances.

- R BRANOrst Chips R protects steel, cast iron, chromium, pure aluminium and pure zinc reliably.
Be careful with, zinc, nickel, cadmium, lead, soldering tin, magnesium, wolfram, molybdenum, copper and its alloys.
- U BRANOrst Chips U protects steel, cast iron (only on contact), zinc, chromium, copper, brass, bronze, pure aluminium and pure tin reliably.
Be careful with cadmium, lead, tin-solder, magnesium, wolfram and molybdenum.
- M BRANOrst Chips M, same as BRANOrst Chips R, 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
- 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.



BRANOrost Chips

Product Information

Forms of Delivery	<p>Formats according to our price-list.</p> <p>Other formats and rolls on request.</p> <p>In principle our applications specialist should be contacted if chips are used.</p>
Storage	Cool and dry, shielded from the sun. Maximum storage time in the original package: three years.
Duration of Protection	Depending on the climatic conditions and closeness of package, up to three years.
Disposal	BRANOrost Chips R 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 BRANOrost Chips of this product information are in accordance with TRGS 615. The chips are being checked continuously by independent institutes.
Operation Safety  	<p>According to the hazard substance ordinance, BRANOrost Chips are 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. 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.

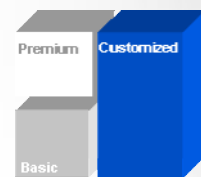


Paper is the Future

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.



BRANOrost-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



Branopac
Solutions with System

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