BRANOROST VCI-Chips

DESCRIPTION
BRANOROST Chips are cuttings of different sizes and shapes made from cellulose; they constantly release small amounts of corrosion protection active ingredients (VCI: Volatile Corrosion Inhibitor), thus effectively protecting metal components like steel, cast iron or zinc from corrosion during transport and storage.

BRANOROST VCI Chips are used to line, or are hung, in packages and cavities and act as an emitter of volatile corrosion inhibitors. The better the seal provided by the outer packaging, the longer the protection will last. Protection is provided for up to 3 years depending on the climatic conditions and how tightly sealed the packaging is.

HANDLING

STORAGE: Store in a cool, dry place away from direct sunlight. Maximum storage time in the original packaging: 3 years.

REQUIREMENTS: The metals that are to be protected must be clean and dry. Contact with wood, corrugated board and acidic substances must be avoided.

PACKAGING: The packaging must form an enclosed space and may not be exposed to high humidity.

OCCUPATIONAL HEALTH AND SAFETY: BRANOROST VCI-Chips are not a hazardous formulation as defined in the hazardous materials ordinance and complies with TRGS 615.

APPLICATIONS

BRANOROST VCI Chips to protect inner surface.

BRANOROST VCI Chips as VCI Depot in pressure seal bags.
Scope of protection

BRANOROST Chip R
- Steel, chrome, pure tin, pure aluminium, cast iron.
- Caution with: Cadmium, zinc, nickel, lead, tin-solder, magnesium, tungsten, molybdenum, copper and its alloys.

BRANOROST Chip M
- In common with BRANOROST Chip R.
- nitrite-free

BRANOROST Chip U
- Steel, cast iron on contact, zinc, chrome, copper, brass, bronze, pure tin, pure aluminium.
- Caution with: Cadmium, lead, tin-solder, magnesium, tungsten and molybdenum. nitrite-free

Development of the protective atmosphere

The recommended distance between BRANOROST Chips and the metal depends on the package volume. As a rule of thumb: for steel components full protection is achieved at a distance of 30 cm after 15 minutes. For non-ferrous metals, full protection is achieved at a distance of 12 cm after 24 hours. The better the outer seal, the longer the protection will last.

Duration of protection

Depending on the climatic conditions and how tightly sealed the packaging is up to 3 years.

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**TECHNICAL DATA**

<table>
<thead>
<tr>
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**DIMENSIONS**

<table>
<thead>
<tr>
<th>Sizes</th>
<th>10 x 10 mm</th>
<th>15 x 15 mm</th>
<th>30 x 30 mm</th>
<th>43 x 43 mm</th>
<th>50 x 50 mm</th>
<th>71 x 71 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume of protection</td>
<td>0,1 l</td>
<td>0,2 l</td>
<td>1,0 l</td>
<td>2,0 l</td>
<td>2,5 l</td>
<td>5,0 l</td>
</tr>
<tr>
<td>Sizes</td>
<td>100 x 120 mm</td>
<td>170 x 240 mm</td>
<td>245 x 250 mm</td>
<td>250 x 490 mm</td>
<td>490 x 500 mm</td>
<td>490 x 1.000 mm</td>
</tr>
<tr>
<td>Volume of protection</td>
<td>25,0 l</td>
<td>80,0 l</td>
<td>125,0 l</td>
<td>250,0 l</td>
<td>500,0 l</td>
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**ADDED VALUE**

**TIME SAVING** - The metal parts do not have to be greased or degreased: i.e. they can be used immediately. This saves you time and therefore reduces costs.

**GUARANTEED PROTECTION** - BRANOROST VCI Chips provide effective protection against corrosion even if the packaging is opened briefly. Once the packaging is closed again, the VCI protective atmosphere is fully restored.

**ENVIRONMENTALLY FRIENDLY** - BRANOROST VCI Chips are environmentally friendly and therefore not harmful to health. They are also easily recyclable.

Would you like to find out more about the protective action of BRANOROST VCI Chips? Please get in touch for further information and advice!

Kerstin Lau,
Manager, Corrosion Protection Process and Application Engineering

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**GENERAL**

**Information**
This information was accurate at the time of going to press, is non-binding and should be adjusted where appropriate in the light of local conditions. No rights may derived from the information contained herein.

**WE PACK YOU ♥**

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