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## Hydro Testing Additives for Corrosion Control

For assistance with your hydro testing additives and corrosion control for water systems and lay up by email, click on VCI Selection Help below:

| [VCI Selection Help](#) | [About VPI Powder](#) | [Buy Water Treatment](#) | [Water Treatment Store](#) |

**Fresh Water Hydrotesting Additives Typical Uses**

Anti-Static
VCI Packaging
VCI Plastic
VCI Stretch Film
VCI Bags
VCI Poly Store
VCI Paper
Silver Saver
Silver Guard Poly
VCI Paper Store
VCI Emitters
VCI Emitter NSN
VCI Emitter Store
VCI Foam Inserts
VCI Emitters
VCI Wire
Foil Packaging
Biodegradable
Coatings
Aerosols
Electronics
Mothballing
VCI Powder
Seasonal Lay Up

Product	Application Rate	Metals Protected	Term of Corrosion Protection
<u>Vapro-848</u>	0.30 % by Weight	<u>Multi-metal Corrosion Protection</u>	up to two weeks
<u>Vapro-848</u>	1.0 % to 2.0 % by Weight	<u>Non Ferrous &amp; Ferrous Metals</u>	6 Months to 18 Months
<u>Vapro-748</u>	500-1000 ppm	<u>Ferrous Metals in Corrosive Solutions of up to 500 PPM of Chlorides</u>	Long Term
<u>Nox-Rust 1200</u>	1:10 dilution with water	<u>Ferrous, aluminum, galvanized steel</u>	up to 6 months
<u>VCI-1 Powder</u>	0.25% to 0.5% by weight	<u>Ferrous, aluminum, galvanized steel and stainless steel</u>	one to 5 months
<u>VCI-1 Powder</u>	1.0 % to 2.0 %	<u>Ferrous, aluminum, galvanized steel</u>	6 months to 24 months +
<u>Vapro-841</u>	0.5 to 0.75 %	<u>Ferrous and Non-Ferrous</u>	30 days to 6 months
<u>VCI-1010</u>	0.25 % to 2.0 %	<u>Ferrous, aluminum, galvanized steel in the presence of non-ferrous metals</u>	2 Weeks to 12 months +

**Hydrotesting Additives For Brines**  
**(TDS below 0.5%, Cl- concentration <0.1%)**

Product	Application Rate	Metals Protected	Term of Corrosion Protection
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Water Treatment
VCI Oil Additives
Hydrotesting
Cooling Towers
Boiler Treatment
Metal Cleaning
Military Specs
Mil Spec Store
MB Additives
NDT Kit
Metal Cleaning
Safe Rust Removers
Rust Remover
Catalogs
Product Data

Corrosion Store
Product List

Construction Film
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<b><u>VCI-1 Powder</u></b>	1.0 % to 2.0 %	<u>Ferrous, aluminum, galvanized steel</u>	6 Months to 12 Months
<b><u>VCI-1 Powder</u></b>	2.0 % to 3.0%	<u>Ferrous, aluminum, galvanized steel</u>	12 Months to 2 years
<b><u>VCI-1010</u></b>	2.0 % to 3.0 %	<u>Ferrous, aluminum, galvanized steel in the presence of non-ferrous metals</u>	6 Months to 2 Years
<b><u>Vapro-748</u></b>	500 -1000 PPM	<u>Ferrous metals in solutions containing up to 500 PPM Chloride</u>	Long Term
<b><u>Vapro-848</u></b>	0.5 % by Weight	<u>Multi-metal</u>	Up to 30 days
<b><u>Vapro-848</u></b>	1 %	<u>Multi-metal</u>	Up to 6 Months
<b><u>Vapro-848</u></b>	2%	<u>Multi-metal</u>	12 Months +

### Salt Water Hydrotesting Additives

Product	Application Rate	Metals Protected	Term of Corrosion Protection
<b><u>Vapro-748</u></b>	6500 + PPM	Ferrous metals in solutions containing up to 500 PPM Chloride	Long Term
<b><u>VCI-1</u></b>	1 - 2 % by weight	Ferrous & aluminum	up to one week
<b><u>VCI-1</u></b>	2.0% by weight	Ferrous & aluminum	one month +

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<b><a href="#">Vapro-848</a> <a href="#">Vapro-841</a></b>	2 -3 % by weight	Multi-metal	6 - 12 months
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### Hydrotesting Product Concentrations for Cast Iron

<b><a href="#">VCI-1 Powder</a> <a href="#">Buy VCI-1</a></b>	1 - 3% by weight	<a href="#">1 to 3 % in water</a>	Also good for submerged metals
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<b><a href="#">VCI-1200</a> <a href="#">Buy VCI-1200</a> <a href="#">Liquid</a></b>	1:5 dilution in H <sub>2</sub> O	1 part VCI-1200 with 5 parts water	Also good for submerged metals
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<b><a href="#">Vapro-848</a> <a href="#">Vapro-841</a> <a href="#">Buy</a></b>	2% - 3%	<a href="#">Dissolve in water</a>	<a href="#">VCI-1 Powder is Recommended for Cast Iron</a>
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\*\*Please note: VCI-1 Powder solutions can be reused in all cases, provided the concentration level of each is adequate before reuse of the solution.

For Preservation in excess of 12 months it is recommended to follow [hydro testing](#) with an additional method of corrosion protection such as applying [corrosion inhibitor powder](#) by dry fogging or additional [methods of corrosion control](#).

[| Boiler Water Treatment](#) | [Lay Up of Cooling Towers](#) | [Water Additives for Corrosion Control](#) |

