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## Enrust vs. VpCI-CorrVerter

- Purpose:** B&H Distributors has asked us to compare Napasco's Enrust vs. our VpCI-CorrVerter.
- Materials:** VpCI-Corrverter - Cortec  
Enrust - Napasco  
VpCI-396 - Cortec  
Diesel – **Solution A**  
4.5% NaCl & NaSO<sub>4</sub> with 50ppm FeCl<sub>3</sub> in water – **Solution B**  
1010 corroded carbon steel panels
- Method:** Visual Inspection of the panels after immersion  
ASTM B-117: Standard Test Method of Salt Spray (Fog) Testing
- Procedure:**
1. The corroded panels had either VpCI-Corrverter or Enrust applied to the corroded panel using a tongue depressor.
  2. The panels were air dried in ambient conditions for 24 hours before top-coating with VpCI-396 and dried for 7 days before being put into the salt spray chamber.
  3. Then some of the panels were top coated with VpCI-396.
  4. The panels with VpCI-396 were air dried for 48 hours and then subjected to immersion testing.
  5. Then the panels were evaluated at various intervals for signs of coating deterioration.
  6. The salt spray panels were evaluated at 1000 hours.



Results:

Table 1: Immersion

<b>Products</b>	<b>Chemical Immersed</b>	<b>Comments</b>
<b>VpCI-Corrverter VpCI-396</b>	<b>Solution A 1000 hours</b>	<b>No effect to the coating</b>
<b>Enrust VpCI-396</b>	<b>Solution A 168 hours</b>	<b>Bubbling and pin hole corrosion</b>
<b>VpCI-Corrverter VpCI-396</b>	<b>Solution B 1000 hours</b>	<b>No effect to the coating</b>
<b>Enrust VpCI-396</b>	<b>Solution B 168 hours</b>	<b>The coating turned yellow</b>

Table 2: Salt Spray

<b>Product</b>	<b>Comments</b>
<b>VpCI-Corrverter</b>	<b>No rust 1000+ hours</b>
<b>Enrust</b>	<b>The rust came through the coating at 336 hours and the panel was pulled at 1000 hours</b>

**Conclusions: The VpCI-Corrverter out performs Napasco's Enrust in every test.**

**Project No. 07-163-1525**







