**PRODUCT DATA SHEET**

**SanyChlor – 450**

Primer – High Build & Finish

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**DESCRIPTION:**

*SanyChlor-450 Primer & High Build* is a chlorinated rubber paint based on chlorinated rubber. This is a thermoplastic composition and is an air drying system. This paint has very good alkali and acid resistance. Also resistant to salt water, moisture and mechanical strain. Used as a chemical resistant coating in industries where special resistance properties are required. *SanyChlor-450 Primer & HB* contains no oil or alkdy modifiers, the excellent inherent chemical resistance properties of chlorinated rubber are retained.

**FEATURES:**

- Very effective in exposure of high humidity, such as Pulp mills.
- Frequently used as a topcoat over Inorganic Zinc base coats (ZinCoat-400).
- Very Good abrasion resistance and weathering properties.
- Performs well over non-blasted surfaces.

**NOT RECOMMENDED FOR:**

Immersion service or solvent exposures.

**SUBSTRATES:**

Apply over properly prepared steel. Can be applied directly to the substrate or over Inorganic Zinc Coatings.

**TYPICAL CHEMICAL RESISTANCE**

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Fumes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acids</td>
<td>Excellent</td>
</tr>
<tr>
<td>Alkalies</td>
<td>Excellent</td>
</tr>
<tr>
<td>Solvents</td>
<td>Poor</td>
</tr>
<tr>
<td>Salt</td>
<td>Excellent</td>
</tr>
<tr>
<td>Water</td>
<td>Excellent</td>
</tr>
</tbody>
</table>

**SPECIFICATION DATA**

- **Solids Content By Volume:**
  - SanyChlor – 450 Primer: 32% ± 2%
  - SanyChlor – 450 High Build: 33% ± 2%

- **Theoretical Coverage Rate per Gallon:**
  - SanyChlor-450 Primer: 12.8 sq. m / L at 25 microns
  - 6.4 sq. m / L at 50 microns
  - SanyChlor-450 High Build: 13.2 sq. m / L at 25 microns
  - 4.4 sq. m / L at 75 microns
  - 3.3 sq. m / L at 100 microns

- **VOC Values As supplied:**
  - 714 g / L

- **Recommended Dry Film Thickness per Coat:**
  - SanyChlor-450 Primer: 2 mils (50 microns)
  - SanyChlor-450 High Build: 3-4 mils (75-100 microns)

- **Typical Chemical Resistance:**
  - Refer to topcoat used.

- **Temperature Resistance**
  - Continuous: 150 °F (66 °C)
  - Non-Continuous: 200 °F (93 °C)

- **Flexibility:**
  - Good

- **Weathering:**
  - Very Good

- **Abrasion Resistance:**
  - Very Good

- **Color Standard in:**
  - SanyChlor-450 Primer: Red only.
  - SanyChlor-450 HB & Finish consult SanyChem Color Chart

- **Gloss:**
  - Flat

- **Sheel Life:**
  - 12 months when stored at 75 °F (24 °C).

- **Storage Conditions:**
  - Store indoors.
  - Temp.: 4 - 49 °C
  - Humidity: 0 - 100%

**TOPCOAT REQUIRED:**

*SanyChlor-450 Primer* is normally topcoated with *SanyChlor-450 High Build* with an optional third coat of *SanyChlor-450 Finish* for a glossy appearance. Also may be topcoated with Acrylics, Silicones, Alkyls, or others as recommended.

**COMPATIBLE COATINGS:**

*SanyChlor-450 Primer & HB* may be applied over certain synthetics such as acrylics, some alkyls or well aged oils, an inorganic zincs, such as ZinCoat 400. Consult SanyChem Technical Service Department for specific recommendation.

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January 2001 replaces May 1999

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APPLICATION INSTRUCTIONS

These instructions are not intended to show product recommendations for specific service. They are issued as an aid in determining correct surface preparation, mixing instructions, and application procedure. It is assumed that the proper product recommendations have been made. These instructions should be followed closely to obtain the maximum service from the materials.

For information and Prices, Please Call a SANYCHEM Local Sales Representative.

Contact
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SanyChem, Inc
600 N Pine Island Road # 450 Plantation, FL 33324-1311
Phone +1-954-315-0252 / +1-800-432-0607 / Fax: +1-954-315-0280

Internet: www.sanychem.com
sanychem@cantv.net
sales@sanychem.com

Made In the U.S.A.

APPLICATION CONDITIONS

<table>
<thead>
<tr>
<th>Material</th>
<th>Surfaces</th>
<th>Ambient</th>
<th>Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>16 – 32 °C</td>
<td>18 – 29 °C</td>
<td>13 – 38 °C</td>
</tr>
<tr>
<td>Minimum</td>
<td>4 °C</td>
<td>2 °C</td>
<td>4 °C</td>
</tr>
<tr>
<td>Maximum</td>
<td>38 °C</td>
<td>66 °C</td>
<td>49 °C</td>
</tr>
</tbody>
</table>

Do not apply when the surface temperature is less than 5 °F or 3 °C above the dew point.

DRIYING TIMES

SanyChlor – 450 Primer

<table>
<thead>
<tr>
<th>Surface Temp. &amp; 50% RH</th>
<th>Between Coats</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 °F (4 °C)</td>
<td>12 Hrs</td>
</tr>
<tr>
<td>60 °F (16 °C)</td>
<td>5 hrs</td>
</tr>
<tr>
<td>75 °F (24 °C)</td>
<td>3 Hrs</td>
</tr>
<tr>
<td>90 °F (32 °C)</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

SanyChlor – 450 High Build

<table>
<thead>
<tr>
<th>Surface Temp. &amp; 50% RH</th>
<th>Between Coats</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 °F (4 °C)</td>
<td>12 Hrs</td>
</tr>
<tr>
<td>66 °F (16 °C)</td>
<td>5 hrs</td>
</tr>
<tr>
<td>75 °F (24 °C)</td>
<td>3 Hrs</td>
</tr>
<tr>
<td>96 °F (32 °C)</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

These times are at the recommended dry film thickness (1 mil). Higher film thickness will lengthen cure times.

Safety Cautions:
Caution: Avoid prolonged breathing of vapours and skin contact. Use in a well ventilated area. Smoking or the use of electrical equipment that could cause sparks should be prohibited while this product is being applied. Avoid contact with eyes, skin and clothing. Wear gloves and protective clothing while using the product. Wash hands thoroughly before eating or smoking. Should SanyChlor-450 be swallowed accidentally, contact physician immediately.

Note: Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas. Personal protective equipment meeting the requirements of the COSHH regulations should be worn.

Cleanup
Use SolvenSany # 260. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

Ventilation
When used as a tank lining or in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapour concentration from reaching the lower explosion limit for the solvents used. In addition to ensuring proper ventilation, appropriate respirators must be used by all application personnel. Appropriate Working in Confined Spaces Regulations should be followed.

FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN.

1/2001