PRODUCT DATA SHEET

EpoSany® - 790 HB
Epoxy High Build Coating

SPECIFICATION DATA

• Theoretical Solids Content By Volume:  EpoSany-790 HB  59% ± 2%

• Theoretical Coverage Rate per Gallon: *
  EpoSany-790 HB  23.6 m²/Lit. at 25 microns.
  4.7 m²/Lit. at 125 microns.

• Mixing and application losses will vary and must be taken into consideration when estimating job requirements. Coverage will be lower over rough surfaces and at higher dry film thicknesses. Heavy applications over organic coatings may result in softening and/or solvent entrapment.

• Temperature Resistance
  Continuous: 200 °F (93 °C)
  Non-Continuous: 250 °F (121 °C)

• Recommended Dry Film Thickness Per Coat:
  4-6 mils (100-150 microns)

• Abrasion Resistance:
  Very Good

• Weathering:
  Very Good (Chalks-results in fading, most noticeable in dark colors)

• Flexibility:
  Fair

• Substrates:
  Apply over suitable primed metal, concrete or other surfaces as recommended.

• Gloss:
  Flat (chalks upon weathering)

• Shelf Life:
  Part A: 24 months when stored at 75 °F (25 °C)
  Part B: 24 months when stored at 75 °F (25 °C)

• Storage Conditions:
  Store indoors.
  Temp.: 40 - 110 °F (4 -43 °C)
  Humidity: 0 - 90%

Topcoat Required: Normally none. May be applied directly over ZincCoat-400 HS (Inorganic Zinc Primers), weathered galvanizing, catalyzed epoxies, phenolics or others as recommended. Please consult the appropriate system guide, the particular job specification or your SanyChem Coatings Industrial Coatings Specialist for proper systems using this product.

NOTE: A mist coat of EpoSany-790 HB is required when applying material over inorganic zinc primers to minimize bubbling.

TYPICAL CHEMICAL RESISTANCE

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Splash &amp; Spillage</th>
<th>Fumes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acids</td>
<td>Fair</td>
<td>Very Good</td>
</tr>
<tr>
<td>Alkalies</td>
<td>Excellent</td>
<td>Excellent</td>
</tr>
<tr>
<td>Solvents</td>
<td>Good</td>
<td>Very Good</td>
</tr>
<tr>
<td>Salt</td>
<td>Excellent</td>
<td>Excellent</td>
</tr>
<tr>
<td>Water</td>
<td>Excellent</td>
<td>Excellent</td>
</tr>
</tbody>
</table>

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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.

Substrates & Surface Preparation

General:
Remove any oil or grease with clean rags soaked in SolvenSany # 252 Thinner in accordance with SSPC-SP-1-82.

Steel: Apply over clean, dry recommended primers.

Previously Painted Surfaces: Old coatings should be tested for lifting. If lifting occurs, remove them. Otherwise smooth sand glossy areas and aged epoxy coatings. Clean aged epoxy or urethane coatings with MetalCleaner # 100. Remove cracked and peeling paint. Prime bare areas with a primer specified under New Surfaces.

Concrete: Apply over clean, dry recommended primers.

Mixing: Mix part A separately, then add Part B in the following proportions and mix thoroughly. Do not mix partial kits.

- EpoSany-790 HB P/A
  - 1 gallon: 5 gallons
  - 2 gal. Kit: 10 gal. Kit

- EpoSany-790 HB PIB
  - 1 gallon: 5 gallons

Thinning: May be thinned up to 25% by volume with SolvenSany # 262 Thinner. For hot or windy conditions, use SolvenSany # 272 Thinner.

Potlife: 8 hours minimum at 75°F (24°C) and less at higher temperatures. Pot life ends when coating loses body and begins to sag.

Application Equipment

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results. The following equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.

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Spray Application

Spray
Use sufficient air volume for correct operation of equipment. Use a 50% overlap with each pass of the gun. On irregular surfaces, coat the edges first, making an extra pass later. May be applied by hot spray (Temperature not to exceed 95°F (35°C)).

The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.

Conventional Spray
Use a 3/8” minimum I.D. material hose. Hold gun approximately 12-14 inches from the surface and a right angle to the surface.

- Mfr. & Gun
  - DeVilbiss P-MBC or JGA
  - Binks #18 or #62
  - I.D. 66
  - Thinner: 63 PB

- Airless Spray
  - Use a 3/8” minimum I.D. material hose. Hold gun approximately 18-20 inches from the surface and a right angle to the surface.

- Mfr. & Gun
  - DeVilbiss JGN-502
  - Binks Model 700
  - Graco 205-591
  - Pump: OFA-514 or OFA-519
  - Mercury 5C or BB-36-37:1

Use a 0.017” - 0.021” tip with 2100 – 2300 psi. Filter: 60 mesh

Teflon packings are recommended and available from the pump manufacturer.

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

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Plantation, FL 33324-1311
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APPLICABLE CONDITIONS

<table>
<thead>
<tr>
<th>Material</th>
<th>Surfaces</th>
<th>Ambient</th>
<th>Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>65 %</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum</td>
<td>50 °F (10 °C)</td>
<td>50 °F (10 °C)</td>
<td>50 °F (10 °C)</td>
</tr>
<tr>
<td>0 %</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum</td>
<td>90 °F (32 °C)</td>
<td>140 °F (60 °C)</td>
<td>120 °F (43 °C)</td>
</tr>
<tr>
<td>85 %</td>
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</table>

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

Brush: Recommended for touch-up only. Use natural bristle brush applying with full strokes. Avoid rebrushing. Two coats may be required for uniform hiding and film thickness.

Roller: Use medium to long nap-roller depending on surface. Thin up to 25% by volume with SolvenSany # 272 Thinner for proper flow-out. Two coats may be required for uniform hiding and film thickness.

Cleanup & Safety

Cleanup
Use SolvenSany # 252 in case of spillage, absorb and dispose of in accordance with local applicable regulations.

Safety
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.

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 vapor 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.

Caution
This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN. 1/2001

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