



AMERCOAT 307

Two Pack Epoxy Zinc Rich Primer

Data Sheet: 307

Supersedes: 04/05

Revised: 05/08

Composition	Epoxy resin containing zinc dust pigment.			
Uses and Properties	AMERCOAT 307 is an economical organic zinc rich primer with excellent adhesion to prepared steel. The zinc content of the dry film offers cathodic protection to corrosion whilst the epoxy resin confers moisture and abrasion resistance and ability to be overcoated with heavy duty topcoats. AMERCOAT 307 primes steel in the field or is used in the yard as a pre-fab primer. AMERCOAT 307 may be topcoated with a wide variety of coatings, including epoxy, organic polysiloxanes, chlorinated rubber and polyurethane. May also be topcoated with alkyd coatings, providing an unsaponifiable barrier coat is used (e.g. AMERETCH 783) is used.			
Typical Applications	Steel Industry - Paper Industry - Shipping Industry - Oil Industry - Chemical Industry - Rolling Stock - Food and Beverage Industry - Marine and Industrial Environment - Mining Industry - Repair to Galvanizing – Sporting Stadiums – Entertainment Complexes- Shopping Centres.			
Typical Systems	Substrate	Surface Preparation	Typical Systems	dft µm
	Atmospheric Service	Class 2 ½ blast cleaning.	A: Conventional 3 Coat System: 1 st Coat: AMERCOAT 307 2 nd Coat: AMERCOAT 385 3 rd Coat: AMERCOAT 450N B: 2 Coat Highly Durable Polysiloxane Finish 1 st Coat: AMERCOAT 307 2 nd Coat: PSX 700 ①	60-75 75-100 40-50 60-75 100-125
	① For extra long life in a very severe environment AMERCOAT 307 can be replaced with AMERCOAT 68HS and an intermediate coat of AMERCOAT 370 included.			

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<p>General Data</p> <p>Weathering</p> <p>Finish</p> <p>Chemical Resistance</p> <p>Abrasion Resistance</p> <p>Immersion</p> <p>Temperature Range</p> <p>Colour</p> <p>Topcoating</p> <p>Shelf Life</p>	<p>Excellent when topcoated.</p> <p>Matt.</p> <p>Not resistant to acids or alkalis because of zinc metal content. Use zinc phosphate primer such as AMERCOAT 370ZP in these environments.</p> <p>Good.</p> <p>Suitable for use in salt and fresh water when properly topcoated.</p> <p>Up to 200°C (dry heat).</p> <p>Grey.</p> <p>May be top coated with AMERCOAT 450SGK, AMERSHIELD, AMERCOAT 385, AMERCOAT 370, AMERLOCK 400, AMERLOCK 2K and PSX700. May be top coated with alkyd enamels provided an unsaponifiable barrier coat such as AMERETCH 783 is first applied. If AMERCOAT 307 is not overcoated for some time, it is important that surface deposits and white rust be removed by scrubbing with nylon brushes and fresh water, prior to recoating.</p> <p>12 months from date of shipment if stored indoors at 4°C to 38°C – Base and Hardener.</p>
<p>Application Data</p> <p>Theoretical Coverage</p> <p>Volume Solids</p> <p>Drying Time (@ 25°C)</p> <p>Pot Life (@ 25°C)</p> <p>Mixing</p> <p>Mixing Ratio</p> <p>Thinners</p> <p>Equipment</p> <p>Safety Precautions</p>	<p>12 sq. metres per litre at 50 µm Dry Film Thickness. (Wet Film thickness 85 µm). Material losses during mixing and application will vary and must be considered when estimating requirements.</p> <p>60% ± 3% (theoretical).</p> <p>Surface dry 10-15 minutes. Recoat after 2 hours. Fully cured 7 days. Will not cure if ambient/surface temperature is below 10°C.</p> <p>8 hours.</p> <p><i>NOTE: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on site conditions, such as volume of material mixed, ambient and steel temperatures, weather and ventilation.</i></p> <p>Power stir Base, add Hardener and power stir until completely homogeneous. Allow to digest for 15 minutes before thinning and use.</p> <p>5 Parts Base to 1 part Hardener</p> <p>Thin up to 20% using THINNER 304. Use THINNER 304 for clean-up.</p> <p>Spray application - use pressure fed spray gun with Samson SP1 set up or equivalent with 400 kPa atomising pressure and pot pressure according to length of material line used.</p> <p>Airless spray application – use 0.5 - 0.7 mm (0.21" to 0.28") tip size and atomising pressure of 14 - 21 Mpa.</p> <p>Brush or roller for small areas only.</p> <p>When applying by brush or roller, provide adequate ventilation. When applying by spray, users must comply with relevant spray painting regulations and wear appropriate respirator to avoid inhaling vapours and spray mist. Material Safety Data Sheet is available and should be consulted.</p>

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