

## Purlac HV Polyurethane Enamel

<b>Product Description</b>	<b>A two pack polyurethane gloss finish</b> for use on protective systems for steelwork.				
<b>Features &amp; Use</b>	<ul style="list-style-type: none"> <li>• A two pack polyurethane finish with maximum performance and high durability characteristics</li> <li>• Allows quick turnaround due to rapid film hardening with excellent chemical and solvent resistance</li> <li>• Suitable for commercial and industrial usage where a high gloss, durable finish is required, such as the ACE market</li> <li>• Easily cleaned gloss surface</li> </ul>				
<b>Approvals/ Certification</b>	Please consult Axalta Coating Systems				
<b>Finish</b>	Gloss				
<b>Volume Solids</b>	50 ± 2% depending on colour				
<b>VOC Content</b>	435 ± 20 g/litre (varies with colour)				
<b>Film Thickness Range And Coverage</b>		<b>Dry Film Thickness</b>	<b>Wet Film Thickness</b>	<b>Theoretical Coverage</b>	
	<b>Minimum</b>	40 µm	80 µm	12.5 m <sup>2</sup> /litre	
	<b>Maximum</b>	75 µm	150 µm	6.7 m <sup>2</sup> /litre	
Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated					
<b>Drying Times</b>	Applied to 50 microns DFT	<b>+10°C</b>	<b>+23°C</b>	<b>+35°C</b>	
	<b>Dust Free</b>		1 hr	30 min	20 min
	<b>Hard Dry</b>		9 hr	7 hr	5 hr
	<b>Overcoating</b>	Minimum	3 hr	1 hr	45 min
		Maximum	4 days	3 days	2 days
Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation					
<b>Colours</b>	BS, RAL and shades to order				
<b>Mix Ratio/ Product Code</b>	Base	<b>11PHV-</b>	3 parts by volume		
	Hardener	<b>11PHV-ACT-</b>	1 part by volume		
<b>Pot Life</b>	3 hours at 23°C				
<b>SG</b>	1.01 kg/lit mixed, varies with colour				
<b>Storage Conditions</b>	Store in dry, cool conditions and protect from frost				
<b>Shelf Life</b>	Minimum 12 months if stored as above in unopened containers				
<b>Flash Point</b>	23°C – 60°C				

## Purlac HV Polyurethane Enamel

<b>Surface Preparation</b>	<ul style="list-style-type: none"> <li>This product is a finish coat and should be applied over an appropriate primer or intermediate coating</li> <li>All surfaces to be coated should be dry and cleaned as necessary to remove all oil, grease, salts or other contamination</li> </ul>														
<b>Mixing</b>	Mix only in the proportions stated, mixing each component individually then together using a mechanical agitator. Agitate periodically during use to ensure product remains homogeneous.														
<b>Thinner</b>	Thinner No.6		<b>Equipment Cleaner</b> Thinner No.6												
<b>Application Conditions</b>	Only apply in conditions of good ventilation which must be maintained during drying and curing. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point. Only apply this product when the above conditions can be maintained throughout the critical application and drying/curing process. Paint temperature should ideally be at a minimum of 15°C.														
<b>Application Methods</b>	<table border="1"> <thead> <tr> <th data-bbox="451 864 692 938">Method</th> <th data-bbox="692 864 938 938">Airless Spray</th> <th data-bbox="938 864 1185 938">Conventional Spray</th> <th data-bbox="1185 864 1339 938">Brush</th> <th data-bbox="1339 864 1490 938">Roller</th> </tr> </thead> <tbody> <tr> <td data-bbox="451 938 692 994"></td> <td data-bbox="692 938 938 994">Yes</td> <td data-bbox="938 938 1185 994">Yes</td> <td data-bbox="1185 938 1339 994">No</td> <td data-bbox="1339 938 1490 994">No</td> </tr> </tbody> </table>					Method	Airless Spray	Conventional Spray	Brush	Roller		Yes	Yes	No	No
	Method	Airless Spray	Conventional Spray	Brush	Roller										
	Yes	Yes	No	No											
<ul style="list-style-type: none"> <li>Airless Spray: Output fluid pressure at tip 1800-2500 psi, Tip Size: 9-13 thou (0.23-0.33mm). It is recommended that a mist coat be applied, followed by a further full coat, allowing 15 minutes flash off between coats</li> <li>Air assisted airless: Use tip 9-13 thou (0.23-0.33mm), 40-80° angle and 1500-2500 psi</li> <li>Conventional spray: thin up to 10% with Thinner No.6, 40-60 psi pressure</li> </ul>															
<b>Product Notes</b>	<ul style="list-style-type: none"> <li>For optimum opacity use a primer/undercoat of a suitable shade</li> <li>High humidity and condensation will impair gloss if exposed during application and curing</li> <li><b>Contains isocyanates</b> – refer to Safety Data Sheet</li> <li>Material temperature should be a minimum of 10°C at application</li> <li>*Colours such as yellows, reds and oranges have lower opacity, especially when produced using lead-free pigments. Two or three coats of these shades may be required, relative to only one coat of a grey or red oxide, so that yellows, bright reds and oranges may not be suitable as one coat systems</li> </ul>														
<b>Health &amp; Safety</b>	Containers are provided with safety labels which should be observed. Further information about hazardous influences and protection are detailed in individual Product Safety Data Sheets. A Safety Data Sheet for this product is available on request from Axalta Coating Systems.														

The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Axalta cannot anticipate all variations in actual end-use conditions Axalta makes no warranties and assumes no liability in connection with any of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. This product is for professional use only.