



# FABPRIME 43

## Quick Dry HB Zinc Phosphate Primer

Data Sheet: 43  
Supersedes: 01/06  
Revised 03/08

<b>Composition</b>	FABPRIME 43 is a fast dry, high build, alkyd zinc phosphate primer/finish that may also be used as single coat. It is based on tough phenolic modified alkyd resins which impart good anti-corrosive properties on steel.			
<b>Uses and Properties</b>	<ul style="list-style-type: none"> <li>◆ Economical single coat primer/finish for warehousing or steelwork in benign environment</li> <li>◆ Excellent for use as a shop primer in prefabrication work</li> <li>◆ May be left uncoated for up to 6 months. (Mild exposure conditions)</li> <li>◆ Excellent single coat primer/finish with attractive sheen for interior steelwork or behind partitioning.</li> <li>◆ Very fast drying.</li> <li>◆ Suitable for top coating with a variety of single pack and two pack products.</li> </ul> <p>For exterior use topcoat with UV resistant finish. Complies with AS2312 Paint Reference Number C04 used in system ALK2, 3 and 4.</p>			
<b>Typical Applications</b>	As a shop primer with appropriate top coat for use on steel substrates such as structural steel, mild steel, piping and equipment and tank exterior surfaces, to provide good corrosion protection in mild or moderate environments. Not recommended for direct application to galvanised steel or zinc dust primers unless an appropriate barrier coat is used such as AMERETCH 783.			
<b>Typical Systems</b>	<b>Substrate</b>	<b>Surface Preparation</b>	<b>Typical Systems</b>	<b>dft μm</b>
	Structural steel	<p>AS2312 System ALK2 Abrasive blast clean to AS 1627.4 Class 2 ½ .</p> <p>AS2312 System ALK3 Abrasive blast clean to AS 1627.4 Class 2 ½ .</p> <p>Shop Primer Abrasive blast clean to AS 1627.4 Class 2 ½ .</p>	<p>Single Coat: FABPRIME 43</p> <p>1<sup>st</sup> Coat: FABPRIME 43 2<sup>nd</sup> Coat: STYRALUX 220 ❶</p> <p>Single Coat: FABPRIME 43</p>	<p>75</p> <p>75 40</p> <p>40</p>
Galvanised steel	Solvent degrease and abrade and clean.	<p>1<sup>st</sup> Coat: AMERETCH 783 2<sup>nd</sup> Coat: FABPRIME 43 3<sup>rd</sup> Coat: STYRALUX 220 ❶</p>	<p>6-12 40 40</p>	
❶ Other top coats such as QD600 SPRAYING ENAMEL, AMERCOAT 5401 may be suitable.				

# FABPRIME 43

<b>General Data</b>	
<b>Weathering</b>	May be left uncoated for up to 6 months (Mild exposure conditions, 75 µm DFT) as shop primer.
<b>Finish</b>	Low lustre
<b>Chemical Resistance</b>	Not normally recommended.
<b>Abrasion Resistance</b>	Good
<b>Immersion</b>	Not recommended
<b>Temperature Range</b>	Up to 120° C dry heat.
<b>Colour</b>	Red Oxide and Grey, Other colours batch quantities only.
<b>Topcoating</b>	Usually top coated with STYRALUX 220 Enamels. May be topcoated with AMERCOAT 450K provided cured 24 hrs at 25°C. Use of a two pack primer such as AMERCOAT 370ZP would provide a superior system.
<b>Shelf Life</b>	12 months from date of shipment if stored indoors at 4°C to 38°C.
<b>Application Data</b>	
<b>Theoretical Coverage</b>	5.75 sq. metres per litre at 75 µm dry film thickness. (Wet film thickness 175 µm).
<b>Volume Solids</b>	43%
<b>Drying Time (@ 25°C, 50% R.H.)</b>	Dust free: 5-10 Minutes. Touch Dry: 10-20 minutes. Hard dry: 2 hrs. May be recoated by itself or topcoated with single pack enamels after 3-4 hrs drying. May be topcoated with two pack polyurethanes after 24 hrs drying.  <i>NOTE: The figures quoted for drying and recoating times are not definitive. They are dependent on site conditions, ambient and surface temperatures, weather and ventilation.</i>
<b>Application</b>	Do not overapply as excessive thickness will extend drying times. If topcoated 60 µm DFT is adequate for corrosion protection in mild environment.
<b>Mixing</b>	Power stir thoroughly until uniform before use.
<b>Thinning</b>	Conventional spray application: Use up to 20% THINNER 445. Thinner 054 may be used for hot windy conditions.
<b>Equipment</b>	Conventional spray: DeVilbiss JGA 502 gun with "E" needle and fluid tip, 704 air cap or equivalent. Use 200-270 kPa pot pressure and 400 kPa atomising pressure. Airless spray: Thinning not required. Use tip orifice 325-375 microns. Apply at 14-17 MPa atomising pressure.
<b>Safety Precautions</b>	Contents are flammable. Keep away from fire or naked flame or sparks. Keep away from children. Read Material Safety Data Sheet. When mixing or applying wear goggles and gloves and ensure good ventilation. When spraying, wear appropriate protective clothing and air supply. If splashed on skin, wash with soap and water. Adequate forced ventilation must be provided in confined spaces.

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