

# Surface Finishes and Fastener Matrix

## Fastriv<sup>®</sup> Self-piercing Rivets

This chart aims to show you what surface finish options are possible to apply to our standard rivets as "customer specials".

- For painted rivets, let us know the colour specification - such as the "RAL" code - if you know it. We can then match the colour precisely.
- We have many finish options for better corrosion resistance. Please contact us and our Application Engineers can help you choose the best solution for your needs.

### Key to the symbols

		Hours to		Fastriv <sup>®</sup>
	Surface Finish Component Base Material	white rust	red rust	Body
<b>Y</b>	Yes, this finish is technically proven and has been applied on this type of fastener (or fastener component) in the past. Note however a minimum order quantity may apply.			
<b>Q</b>	The finish is technically possible but will require review by our Production Team to give you a price. Please submit an enquiry and we can start preparing a quote for you straight away.			

	Surface Finish Component Base Material	Colour	white rust	red rust	Fastriv <sup>®</sup>
<b>Steel</b>					
	Black oxide	Black			Y
	Black oxide coating	Black			Q
	Bright tin	Silver	n/a	n/a	Q
	Clear Delta <sup>®</sup> -Seal	Clear	480		Y
	Corrosion prevention of unplated items				Q
	Electroplated zinc base coat + aluminium-rich organic top coat (Magni 560)	Silver/Grey		860	Q
	Epoxy painting	As required			Q
	Heat treatment black oxide	Black/Blue			Y
	Inorganic zinc-rich base coat + aluminium-rich top coat (Magni 565)	Silver/Grey		860	Q
	Light blue Delta <sup>®</sup> -Seal Duplex	Blue			Q
	Mechanical aluminium/zinc + clear	Silver		96	Y
	Mechanical zinc + clear passivation	Clear	72	240	Y
	Mechanical zinc + clear passivation + top coat	Silver/Grey	72	384	Y
	Molybdenum Disulphide Lube	Grey/Black			Q
	Phosphate	Black		7	Y
	Phosphate + Delta <sup>®</sup> -Seal	As required		120	Y
	Phosphate + Delta <sup>®</sup> -Tone + black Delta <sup>®</sup> -Seal GZ	Black (matt)		240	Y
	Phosphate + silver Delta <sup>®</sup> -Tone + silver Delta <sup>®</sup> -Seal	Silver/Grey	120	240	Y
	Tin/Zinc self colour	Grey	48	1000	Q
	Zinc + black Delta <sup>®</sup> -Seal GZ	Black (matt)	120	240	Y
	Zinc + black passivation / Class 5 Type 11	Black (matt)	24	72	Q
	Zinc + clear passivation	Clear	96	240	Q
	Zinc + clear passivation 18µm	Clear	96	240	Q
	Zinc (5µm) + clear passivation	Clear	72	120	Q
	Zinc + clear passivation + top seal	Clear	96	384	Q
	Zinc (5µm) + clear passivation + top seal	Clear	96	120	Q
	Zinc + clear passivation + leach and seal / Class 5 Type 1 (Ford S437)	Clear	120	400	Y
	Zinc + clear passivation + top seal/torque modifier	Clear	96	240	Q
	Zinc + silver Delta <sup>®</sup> -Seal	Silver/Grey	240	480	Y
	Zinc phosphate (dry)	Grey/Black			Q
	Zinc/Iron + black passivation	Black	120	480	Q
	Zinc/Nickel + black Delta <sup>®</sup> -Seal	Black (matt)	48	480	Q
	Zinc/Nickel + black passivation + seal	Black	240	720	Q
	Zinc/Nickel + clear passivation / C1T3	Clear	120	720	Y
	Zinc/Nickel + clear passivation + TnT 15	Clear	240	720	Y
	Zinc/Nickel + clear passivation + seal	Clear	240	720	Q



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Surface Finish Component Base Material	Colour	white rust	red rust	Body
<b>Steel</b>				
Zinc/Nickel + clear passivation + seal (Spec. for VW "r643")	Clear	240	720	<b>Q</b>
Zinc/Nickel + clear passivation + seal/torque modifier (Spec. for VW, DBL and BMW)	Clear	240	720	<b>Q</b>
Zinc/Nickel + KTL	Black (bright)	360		<b>Q</b>
Zinc/Nickel no passivation	Grey	24	500	<b>Q</b>
Zinc/Nickel (6µm) + trivalent black passivation + top seal	Black	72	240	<b>Q</b>
Zinc/Nickel + trivalent black + top seal	Black	72	240	<b>Q</b>

