



Excellent and robust finish for bicycles



Excellent Finish

ENVIROCRON[®] Acrylic Powder Clearcoat gives every bicycle an excellent finish, from flat matte to high-gloss brilliance. It offers clear advantages due to low baking temperatures, protection for heat-sensitive decals and 100% color fastness so there is no yellowing or deviation from color. The system offers excellent flow and performs at the highest levels, even with low film thickness.

Outstanding Protection

Envirocron Acrylic Powder Clearcoats show outstanding optical properties and form a robust outer shell for the lifetime of the bicycle. These coatings protect against stones, rain, hail and sun, providing a superior finish for every challenge and stage.

Setting the Scene for Decals

Decals are an essential part of bicycle design. However, ink-based decals are very sensitive to heat. Excessive curing temperatures cause yellowing and color deviations. *Envirocron* Acrylic Powder Clearcoats cure at low baking temperatures and provide excellent optical properties at every gloss level. Decals are thus optimally protected and admirably set in scene.

Benefits

Superior flow and optical appearance for an excellent bicycle finish

Very good levelling even at low film thicknesses

Excellent color fastness of decals due to low bake technology

Very good weathering resistance

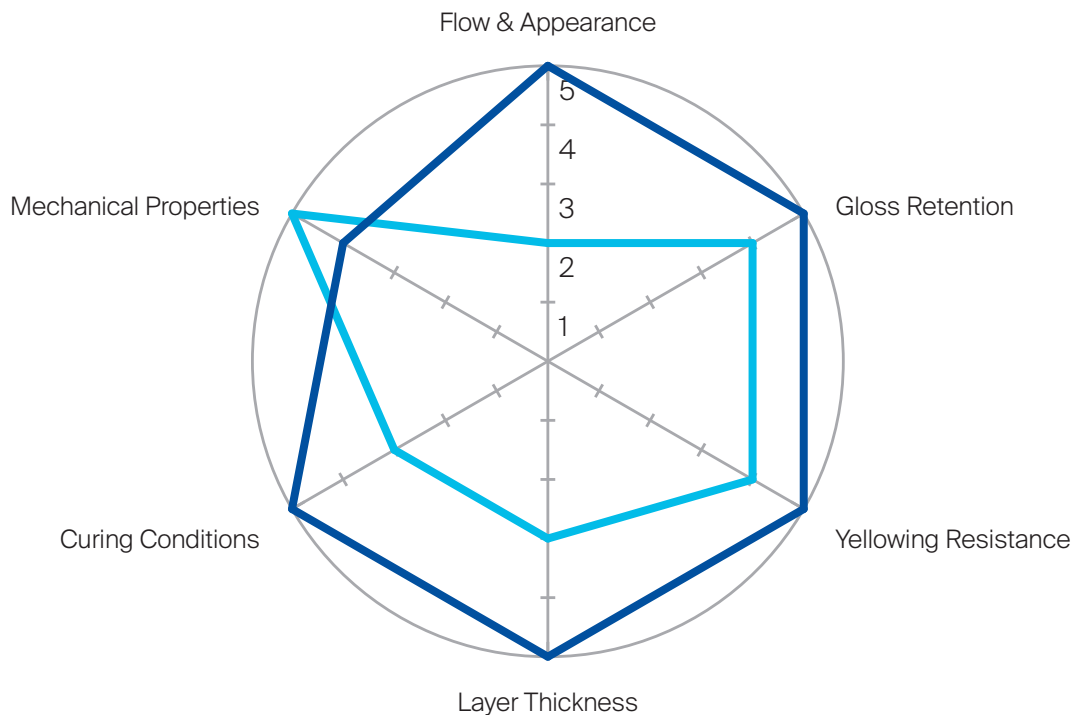




Product Features

Characteristic		P013C900R-YC	P013C910R-YC P054C1001R-YC	P052C1001R-YC	P011C900R-YC	
Features	Chemistry	Acrylic Polyester	Acrylic	Acrylic	Acrylic	
	Gloss Description	Dead Matt	Dead Matt	Semi Gloss	High Gloss	
	Gloss	10-14 GU (60° angle)	3-5 GU (60° angle)	45-60 GU (60° angle)	82-90 GU (20° angle)	
	Film Thickness	60 +/- 10 µm	55 +/- 10 µm	60 +/- 10 µm	55 +/- 10 µm	
	Shelf Life	12 months at max. 30°C	4 months at max. 22°C	4 months at max. 22°C	6 months at max. 22°C	
	Curing Conditions	15 min at 195°C	15 min at 150°C	15 min at 150°C	15 min at 140°C	
Test	Adhesion	ISO 2409	GT 0	≤ GT 1	≤ GT 1	
	Erichsen Cupping	ISO 1520	4mm	4 mm	4 mm	8 mm
	Impact	ISO 6272	10 inch-pound (direct)	10 inch-pound (direct)		
	Humidity Chamber	ISO 6270-2	1,000 hours pass	1,000 hours pass	1,000 hours pass	1,000 hours pass
	Salt Spray	ISO 9227	1,000 hours pass	1,000 hours pass	1,000 hours pass	1,000 hours pass
	Weathering - Xenon	ISO 16494-2	1,000 hours gloss retention > 50%	1,000 hours no visual changes	1,000 hours no visual changes	1,000 hours gloss retention > 95%

Performance Comparison



Standard Acrylic Powder Clearcoats

ENVIROCRON Acrylic Powder Clearcoats

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