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# Resins for Solventborne Coatings



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# In-Depth Performance for Plastic Coatings

## Technical support

Two specialized labs – one in Europe and one in the U.S., are devoted exclusively to helping our customers find answers to technical questions about our products and to helping them find solutions in an ever changing environment.

## Industry knowledge

Lubrizol employs experienced coatings specialists. A constant dialogue with our customers and continuous learning enables us to understand the needs of the coatings industry and successfully work on today's and future coatings needs.

## Best solution

Lubrizol specializes in providing just the right product in just the right amount to turn an ordinary coating into an extraordinary coating – at optimized cost around the globe.

## Global supply

Product availability and on-time delivery are vital to any business. To answer this need, Lubrizol has a worldwide network of distribution points. This comprehensive network provides immediate access to customer service personnel. Add to that www.lubrizolcoatings.com, our 24-hour a day, 7-day a week on-line information system, and you have a combination that will supply you with

**The Product You Need,  
Where and When You Need It!**

1K AND 2K SOLVENTBOURNE COATINGS FOR PLASTIC COMPONENTS

▲ Primary Application

● Alternate Application

PRODUCTS	AUTOMOTIVE				NON-AUTOMOTIVE				SPECIALTY PAINTS		
	Head Lamp Cover Lacquers	Fascia, Cladding, Body Side Molding	Refinish Primers, Topcoats, Touch-up Aerosols	OEM Film Laminates, Logos & Emblems	Metallic Lacquers for Wheel Covers	Motorbikes, Sports Craft, Helmet Housings	Dip or Spray Enamels for Toys	Lacquers for Consumer Electronics, CD/DVD Media Discs	Cosmetic Packaging Lacquers	DIY Aerosol Paints for Plastics	DIY Brushable Paints for Plastics
DORESCO® AC183-5	▲	▲		▲	▲	▲	●		●		
DORESCO® AC453-1		●	▲			●	●			▲	
DORESCO® SA9-5		●	●							▲	
DORESCO® TA96-6		●	●			●	●				
DORESCO® UVC75-1	▲	▲		▲		▲	▲				
DORESCO® UVC87-7	●			▲		●	●		●		
DORESCO® HS-4		●	▲	▲	▲	▲	▲		▲		
DORESCO® OH-60		●	▲			▲			●		
DORESCO® 190 BA		●	▲		▲						
DORESCO® P6C										▲	

## Exterior Automotive Coatings

### Refinishing

DORESCO® OH-60  
DORESCO® HS-4  
Hydroxyl functional thermosetting acrylic polyols for 2K isocyanate crosslinked high-performance, non-yellowing topcoats and colorcoats for aftermarket refinishing and fast-drying touch-up enamels with excellent gloss retention.



### Bumpers, Fascia, Cladding, Body Side Moldings

DORESCO® AC453-1  
DORESCO® OH-60  
DORESCO® OH-190BA  
Hydroxyl functional thermosetting acrylic polyols for 2K isocyanate crosslinked high-performance, non-yellowing primers and topcoats for aftermarket refinishing and fast-drying touch-up enamels with excellent gloss retention.



### Wheel Covers

DORESCO® HS-4  
DORESCO® 190BA  
Hydroxyl functional solution acrylics for 2K or 1K air-drying metallic finishes for wheel covers, with excellent gloss retention and abrasion resistance.



### Head Lamp Covers, Interior Film Laminates

DORESCO® AC183-5  
Thermoplastic acrylic.



DORESCO® UVC75-1  
Acrylate oligomer for clear and pigmented UV and EB-cured coatings with superior durability.

DORESCO® UVC87-7  
Adhesion-promoted UV and EB-curing resin modifier for improved adhesion to plastics.

## Coatings for Non-Automotive Plastics

### Motorbike, Watercraft & Sports Helmet Housings

DORESCO® HS-4  
DORESCO® OH-60  
DORESCO® AC453-1  
DORESCO® AC183-5  
Hydroxyl functional thermosetting acrylic polyols for 2K isocyanate crosslinked high-performance, non-yellowing primers and topcoats for after-market refinishing and fast-drying touch-up enamels with excellent gloss retention.



DORESCO® UVC75-1  
Acrylate oligomer for clear and pigmented UV and EB-cured coatings with superior durability.

DORESCO® UVC87-7  
Adhesion-promoted UV and EB-curing resin modifier for improved adhesion to plastics.

## Specialty Coatings

### Consumer Aerosols & Brushable Paints for Plastics



DORESCO® AC453-1  
Adhesion-promoted acrylics for consumer-applied paints with superior adhesion to polypropylene or polyethylene substrates.

DORESCO® SA9-5  
DORESCO® P6C  
Thermoplastic acrylic resins for clear or metallic DIY and industrial aerosol or brushable paints for plastic surfaces. These polymers have excellent compatibility with chlorinated polyolefin for adhesion promoting primers and topcoats.

▲ Primary Application

● Alternate Application

PRODUCTS	KEY PERFORMANCE ATTRIBUTES							ACRYLIC TYPE	PHYSICAL PROPERTIES				
	Gloss	Hardness	Adhesion	Flexibility & Impact Resistance	Outdoor Weathering	Chemical & Stain Resistance	MEK Resistance		Abrasion & Scratch Resistance	Solids (%)	Solvents	Viscosity (cP)	Color (Gardener)
DORESCO® AC183-5	▲		▲	▲				Thermoplastic	34	Ethanol, Diacetone Alcohol	28	1	.95
DORESCO® AC453-1	▲	▲	▲	▲				Adhesive Promoted Resin Modifier	62	Toluene, Xylene	2850	Amber Translucent	1.02
DORESCO® SA9-5	▲	▲	●					Thermoplastic	50	Toluene, Xylene	2500	0	.98
DORESCO® TA96-6	▲	▲		●	▲	▲	▲	Thermosetting Polyol	65	Butyl Acetate	7200	1	1.04
DORESCO® UVC75-1	▲	▲			▲	▲	▲	Melamine Acrylate Oligomer	100	None	1500	0+	.89
DORESCO® UVC87-7			▲	▲	▲			Adhesion Promoted Resin Modifier	100	Diluent – HDDA	10,500	7	1.08
DORESCO® HS-4	▲	▲	▲	▲	▲	▲	▲	Hydroxy Functional, Thermosetting	70	Butyl Acetate	28	Clear	1.05
DORESCO® OH-60	▲	▲	▲	▲	●	●	●	Hydroxy Functional, Thermosetting	60	Xylene, MP Acetate	1800	Clear	1.0
DORESCO® 190 BA		▲	▲	▲	▲			Hydroxy Functional, Thermosetting	45	Butyl Acetate	5000	Clear	1.0
DORESCO® P6C		▲	▲			●	●	Thermoplastic	50	MEK, MBK, Toluene	5000	Clear	.96



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