

Sustainable Coating Solutions



**BARIL**<sup>®</sup>

# DualCure<sup>™</sup> Primers and Finishes

Patent Numbers:  
6833424, 7169876 (US)  
EP 2238210 (EU) , NL 1034986 (NL)



**DualCure**<sup>™</sup>  
lifetime protection

(260)-665-1327  
[www.barilcoatings.us](http://www.barilcoatings.us)

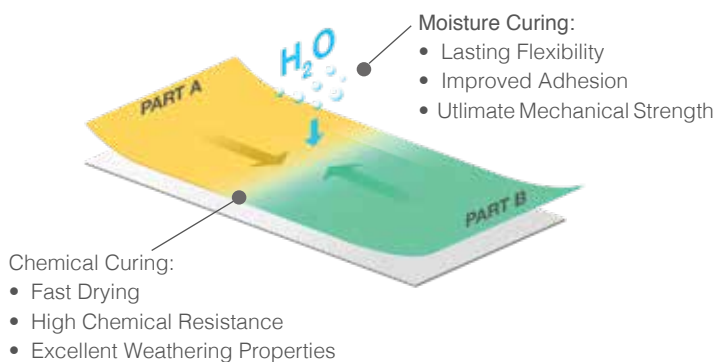


## DUALCURE™ CHEMISTRY

DualCure™ is a patented liquid applied coating system formulated to provide exceptional performance and application properties. Designed for Steel as well as Ferrous and Non-Ferrous metals, it offers superior protection when compared to powder coating while curing in as little as 30-minutes with no heat required. This unique technology not only saves time, it also reduces energy costs while helping companies limit their carbon footprint.

DualCure™ chemistry combines rapid cross-link chemical cure with atmospheric humidity to accelerate cure schedules and drive significant integral strength within the cured coating film. This dual reaction is manifested in a highly functional protective coating that provides industry leading corrosion, weathering, scratch and impact resistance. All DualCure™ formulations are low-voc, HAPS Free and designed to meet all EPA and environmental regulations.

DualCure™ unites chemical and moisture curing to provide superior performance



## DualCure™ Advantages

### Fast Curing

Dry to touch in 30 minutes, dry to handle in 1-hour.

### Direct to Substrate (DTS)

Ferrous and non-ferrous metals, blasted steel and engineered plastics.

### Thin Film Technology

Superior protection with half the film thickness of traditional epoxy/urethanes.

### No Curing Ovens

No heat needed for fast curing. Optimal cold cure system.

### High Flexibility

Long-run mechanical impact resistance, ideal for heavy equipment.

### High Corrosion Resistance

1-Coat DualCure™ systems provide industry leading corrosion resistance (up to 10,000 hours salt spray).

### Fast Water Resistance

DualCure™ top-coats are flexible and completely impermeable.

### High Solids

Reduced VOC emissions

## Industries Served



Heavy Equipment



Agriculture



Oil & Gas



OEM



Fleet Truck & Trailer



Structural Steel

# Industrial Primers & Finish Coats



**DualCure™**  
lifetime protection

Baril Coatings manufacturers a number of 2k products within the DualCure™ line including zinc fortified primers and high performance topcoats. Available in a high gloss and satin finish, Baril is able to effectively match colors to a near perfect match with our state of the art ColorLinks™ color matching database system.

## Primers

**DualCure™ 200**  
Aluminum Moisture Cured Urethane Primer

**DualCure™ 225**  
Miox Moisture Cured Urethane Primer

**DualCure™ 306**  
Zinc Rich Moisture Cured Urethane Primer

## Direct to Metal

**DualCure™ 172**  
Semi-Gloss DTM Polyaspartic

**DualCure™ 180**  
High Build DTM Aspartic High Gloss

**DualCure™ 182**  
High Build DTM Aspartic Low Gloss



## Finish Coats

**DualCure™ 174**  
High Gloss Polyaspartic

**DualCure™ 178**  
Semi-Gloss Polyaspartic



## DualCure™ System Testing Results

		DualCure™ 182 DTM	DualCure™ 306 Zinc Rich Primer	DualCure™ 174 Polyaspartic TopCoat
UV Resistance	ASTM Standard G154 UV-A Gloss Retention @ 60°	3500 Hours > 80%	N/A	4000 Hours > 80%
Florida Black Box	ASTM Standard D 4141 5° South Gloss Retention @ 60°	N/A	N/A	48 months >80%
Cyclic Weathering Test		N/A	6 - 336 Hour Cycle	6 - 336 Hour Cycle
Corrosion Resistance	ASTM Standard D 5894	N/A	No Rusting, No Blistering	
Gloss Loss		N/A	No Undercutting	<5% 60°
Color Change Δ E		N/A	N/A	<1 Δ E
Salt Spray	ASTM Standard B 117	90 Days (1500 hours)	400 Days (9600 Hours)	N/A
Pull Off	ASTM Standard D4541	1625 / 1655 psi	2451 / 2552 psi	N/A
Flexibility	ASTM Standard D522 Cylindrical Mandrel ISO1520 Cupping	Pass .39 inch Pass.23 inch	Pass 0.75 inch N/A	Pass 0.31 inch Pass 0.25 inch
Impact Resistance	ASTM Standard D 2794	Pass 185 lbs.	N/A	Pass 185 lbs.
Reverse Impact	ASTM Standard D 2794	Pass 160 lbs.	N/A	Pass 160 lbs.
Abrasion Resistance	ASTM Standard D 4060 Taber Abrasion CS017/1kg Weight Loss	4000 passes 150 mg	N/A N/A	10,000 passes 52mg
Adhesion Pull Off	ASTM Standard D 4541	1625 psi	2451 psi	N/A
2-mil blasted surface				
Adhesion cross-hatch	ASTM Standard D 3359	5A	5A	5A
Chemical Resistance	MEK Double Rub Test Gloss Retention @ 60°	100 Double Rubs >98%	N/A N/	200 Double Rubs > 96%

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## About Us:

Headquartered in Angola, Indiana, Baril Coatings USA is a leading manufacturer of high performance protective coatings for industrial OEM and refinish applications. Our products are manufactured using the latest raw materials and cutting-edge technologies to provide customers with superior long-term performance. Supported by a veteran technical staff, our team of coating professionals leverages decades of experience to work with our clients in implementing successful coating programs that save time, resources and money.

### CONTACT US TODAY

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