

Sustainable Coating Solutions



BARIL

DualCure™ Primers and Finishes

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



DualCure™
lifetime protection

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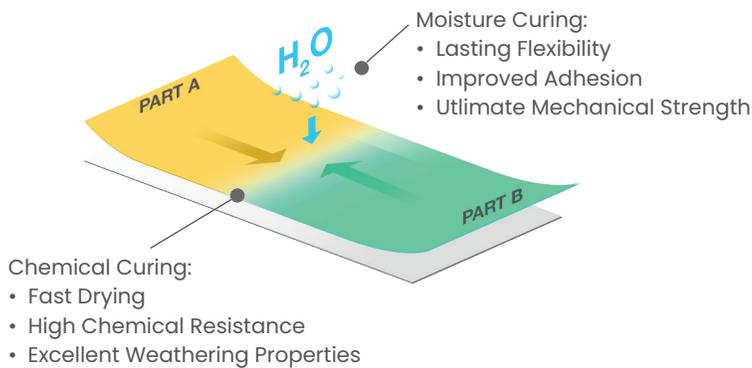


DualCure™ Chemistry

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 characteristics.



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

Industry leading corrosion resistance (up to 9,600 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



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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™ 306
Zinc Rich Moisture
Cured Urethane Primer

Finish Coats

DualCure™ 174
High Gloss Polyaspartic

DualCure™ 178
Semi-Gloss Polyaspartic

DualCure™ 185
High Gloss
DualCure™ Xcelor

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

DualCure™ 195
Extended Potlife Polyaspartic
DTM Polyaspartic Semi-gloss



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 Corrosion Resistance Gloss Loss Color Change Δ E	ASTM Standard D 5894	N/A N/A N/A N/A	6 - 336 Hour Cycle No Rusting, No Blistering No Undercutting N/A	6 - 336 Hour Cycle <5% 60° <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 0.75 inch	Pass 0.31 inch
		Pass.23 inch	N/A	Pass 0.25 inch
Impact Resistance Reverse Impact	ASTM Standard D 2794 ASTM Standard D 2794	Pass 185 lbs.	N/A	Pass 185 lbs.
		Pass 160 lbs.	N/A	Pass 160 lbs.
Abrasion Resistance	ASTM Standard D 4060 Taber Abrasion CS017/1kg Weight Loss	4000 passes	N/A	10,000 passes
		150 mg	N/A	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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