



**AMERON**  
INTERNATIONAL

Performance Coatings & Finishes

# Dimetcote® 9

*Inorganic-zinc silicate primer*

## Product Data

- A heavy-duty primer that protects with a single coat.
- Outstanding application characteristics over a wide range of atmospheric conditions.
- Can be applied by airless or conventional spray leaving a smooth film with negligible overspray even in hot weather.
- Excellent heavy-build film tolerance in corners and angles.
- High-metallic zinc content provides long-term corrosion protection that reduces maintenance costs.
- Abrasion resistance and minimum burn-back during welding reduce touch-up requirements.
- Applied over blasted or pickled surfaces.

## Typical Uses

As a single coat, Dimetcote 9 resists severe weathering and marine environments. As a primer with recommended topcoats, Dimetcote 9 is resistant to industrial chemical exposure as well as marine exposure above the saltwater splash zone, structural steel and piping, tank exteriors, bridges, offshore platforms, marine hulls above water line, superstructures and decks.

## Qualifications

SSPC – Paint 20

AASHTO – M300

AASHTO – Standard Specification for Highway Bridges  
Table 10.32.3C Allowable Load for Slip Critical Connections  
Class B

AISC – Specification for Structural Joints Using ASTM A325  
or A490 Bolts RCSC Specification for Structural Joints  
Table 3 Class B

## Resistance

Dimetcote 9 without a topcoat has excellent resistance to weathering and ultraviolet exposure, water and neutral salts, refined petroleum products, alcohols and solvents, animal and vegetable oils (up to 2<sup>1/2</sup>% free fatty acid). In addition to the above, with suitable topcoats Dimetcote 9 is recommended for fumes and splash of mild alkalis, dilute acids (fumes only), salt solutions of most types.

Dimetcote 9 is not recommended for immersion service or spillage of acid or alkaline solutions. For specific recommendations, consult your Ameron representative.

## Physical Data

Finish	Flat	
Color	Green	
<i>Note: At temperatures over 350°F the Dimetcote 9 green color will change to a reddish-brown.</i>		
Components	2	
Curing mechanism	Solvent release and reaction with atmospheric moisture	
Dry film thickness	2 <sup>1/2</sup> mils (65 microns)	
Coats	1	
Theoretical coverage	ft <sup>2</sup> /gal	m <sup>2</sup> /L
1 mil (25 microns)	992	24.3
2 <sup>1/2</sup> mils (65 microns)	397	9.7
VOC	lb/gal	g/L
mixed	4.1	491
mixed/thinned (1 pt/gal)	5.0	599
Temperature resistance, dry	°F	°C
	750	399
Flash point	°F	°C
liquid	60	15
mixed	58	14
Amercoat 65	78	25
Amercoat 101	145	63
Amercoat 12	2	-17

## Application Data

Applied over	Prepared steel, galvanizing	
Surface preparation	Abrasive blast SSPC-SP6 or 10, Pickling SSPC-SP8	
Method	Airless or conventional spray	
Mixing ratio (by volume)	As packaged – 1- and 5-gal units	
Pot life (hours)	°F/°C	
	70/21	
	24	
Environmental conditions		
Temperature	°F	°C
air	0 to 120	-18 to 49
surface	0 to 130	-18 to 54
Relative humidity	50-90%	
Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation. At freezing temperatures, surface must be free of ice.		
Drying time (ASTM D1640) 2 <sup>1/2</sup> mils and 50-90% RH		
	°F/°C	
	70/21	
touch (minutes)	10	
through (minutes)	18	
topcoat with most topcoats (hours)	24	

## Topcoats

Dimetcote 9 may be topcoated with epoxies, vinyls, acrylics, chlorinated rubbers or other topcoats when used in industrial or marine maintenance systems. Typical Ameron topcoats are Amercoat® 383HS, 385, Amerlock® 400; for intermediate coat Amercoat 83HS or 185HS. In some cases a mist coat/full coat technique may be required to prevent application bubbling.

## Application Data Summary

See Application Instructions for complete information on surface preparation, environmental conditions, application procedures and equipment. To obtain maximum performance apply as recommended. Adhere to all safety precautions during storage, handling, application and drying periods.

## Safety Precautions

Read each component's material safety data sheet before use. Mixed material has the hazards of each component. Safety precautions must be strictly followed during storage, handling and use.

***This product is for professional use only. Not for residential use.***

## Warranty

Ameron warrants its products to be free from defects in material and workmanship. Ameron's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at Ameron's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to Ameron in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify Ameron of such nonconformance as required herein shall bar Buyer from recovery under this Warranty.

**Ameron makes no other warranties concerning the product. No other warranties, whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall Ameron be liable for consequential or incidental damages.**

Any recommendation or suggestion relating to the use of the products made by Ameron, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Thinner		
below 70°F (21°C)		Amercoat 65
above 70°F (21°C)		Amercoat 101
Equipment cleaner		Amercoat 12

*Use "E" version of thinner and cleaner in air pollution control areas.*

## Shipping Data

Packaging units	1 gal	5 gal
Shipping weight (approx)	lb	kg
1-gal unit		
liquid	7.6	3.4
powder	14.5	6.6
5-gal unit		
liquid	36	16.4
powder	71	32.2

Shelf life when stored indoors at 40 to 100°F (5 to 38°C)	
powder	2 years from shipment date
liquid	9 months from shipment date

Numerical values are subject to normal manufacturing tolerances, color and testing variances. Allow for application losses and surface irregularities.

The mixed product is nonphotochemically reactive as defined by the South Coast Air Quality Management District's Rule 102 or equivalent regulations.

## Limitation of Liability

Ameron's liability on any claim of any kind, including claims based upon Ameron's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. **In no event shall Ameron be liable for consequential or incidental damages.**



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