

# CERAKOTE CLEAR - Aluminum

The Cerakote Performance You Expect Is Now Available In A Clear Coating For Aluminum

Cerakote Clear (MC-5100) has been specifically engineered for performance on all common alloys of aluminum, including magnesium alloys. Common applications include Polished, Brushed, Raw & Anodized Aluminum used in Architectural, Automotive, Industrial, Consumer Goods and more.

## WHY CHOOSE MC-5100?

- **Preserves** true aluminum look while protecting against oxidation & dulling
- **100%** inorganic formulation is completely UV stable, will not yellow or haze
- **Engineered** for all alloys of aluminum, including magnesium
- **Unparalleled** adhesion & chemical resistance

## PREPARATION

- Direct to aluminum
- No primers needed
- Simple Dawn® dish soap & hot water preparation

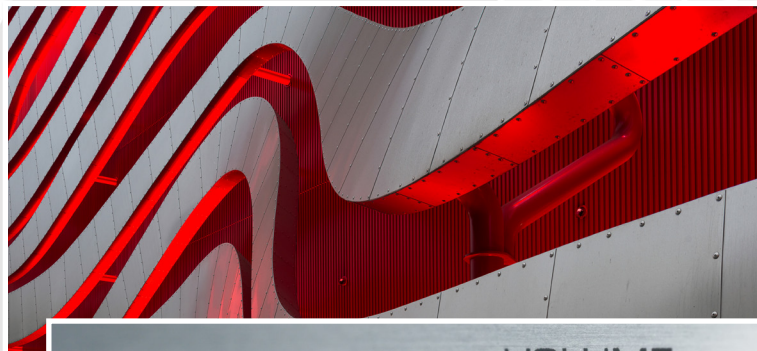
## APPLICATION

- Ready to spray with HVLP spray gun
- Simple, single coat application
- Self-leveling properties

## CURE SCHEDULE

- Air cure & tack free in approx. 15 - 30 minutes
- 100% cure within 24 hours

(Dependent on temperature & relative humidity)



### Technical Data

- Theoretical Solids by Weight..... ~42%
- Theoretical Coverage per Gallon at 1.0 mil DFT..... 673 ft<sup>2</sup>
- Liquid Density (g/mL)..... 0.89 g/ml
- Viscosity (Brookfield DV2T Cone and Plate)..... 19.91 cP
- Recommended Film Thickness ..... 0.25 - 0.5 mils
- Required Strainer..... 325 mesh (SE-277)

Product Specific Application Guide and SDS Information  
Available At [Cerakote.com](http://Cerakote.com)

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Formulated in a one-part, air-cure, easy-to-apply coating with unparalleled UV stability and hydrophobic properties, this coating excels in outdoor applications. Whether anodized, polished or raw, if it is aluminum, MC-5100 is the best choice in clear coatings.



Technical Data Sheet (TDS)	Adhesion*	Pencil* Hardness	Pencil* Hardness	Flexibility*	Chemical* Resistance	UV Performance
	Crosscut Adhesion ASTM D3359	Scratch ASTM D3363	Gouge ASTM D3363	Conical Mandrel Bend ASTM D522	Acids/Bases, Fuel, Brake Fluid, Cleaners	
ALUMINUM ALLOY						
1100T0 raw	5B	7H	6H	0mm loss	Excellent	Excellent
1100T0 polished	5B	7H	6H	0mm loss	Excellent	Excellent
1100H14 raw	5B	9H	8H	0mm loss	Excellent	Excellent
1100H14 polished	5B	9H	8H	0mm loss	Excellent	Excellent
2024T3 raw	5B	9H	8H	0mm loss	Excellent	Excellent
2024T3 polished	5B	9H	8H	0mm loss	Excellent	Excellent
3003H14 raw	5B	7H	6H	0mm loss	Excellent	Excellent
3003H14 polished	5B	7H	6H	0mm loss	Excellent	Excellent
5052H32 raw	5B	4H	6H	0mm loss	Excellent	Excellent
5052H32 polished	5B	7H	6H	0mm loss	Excellent	Excellent
6061T6 raw	5B	6H	5H	0mm loss	Excellent	Excellent
6061T6 polished	5B	7H	6H	0mm loss	Excellent	Excellent
7075T6 raw	5B	8H	7H	0mm loss	Excellent	Excellent
7075T6 polished	5B	9H	8H	0mm loss	Excellent	Excellent

All data is based on the following conditions: Coating applied at 0.25 - 0.5 mil thickness and air cured for 24 hours prior to testing.

**\*Testing parameters are as follows:**

- Adhesion is measured on a scale of 0B, 1B, 2B, 3B, 4B, 5B, with 5B being the highest achievable rating.
- Hardness or Pencil Hardness Tests are measured from softest to hardest as follows: 9B, 8B, 7B, 6B, 5B, 4B, 3B, 2B, B, HB, F, 2H, 3H, 4H, 5H, 6H, 7H, 8H, 9H. 9H is the hardest.
- Flexibility or Conical Mandrel Bend: "0mm loss" is the highest achievable rating and indicates that the coating did not crack or spall.
- Chemical Resistance: Contact us to discuss your specific chemical requirements.

All Cerakote coatings are VOC compliant under the EPA and have low to no VOC content. To find out the VOC content of an individual coating please contact [sds@nicindustries.com](mailto:sds@nicindustries.com) for more information.

This information is accurate to the best of our knowledge, however, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**As always, give us a call at 1-866-774-7628 if you need any assistance.**