

# AG-KOTE™

## THERMOSET POWDER COATINGS

Outgassing is a phenomena of entrapped gasses being released through a coating during the cure process. When this gas passes through the coating, it creates craters, pinholes or air bubbles. These anomalies provide a path for moisture or corrosive materials through the coating and to the substrate.

AG-KOTE™ is a patented thermoset powder coating solution that minimizes the formation of craters, pinholes or air bubbles in the coating surface caused by gas or moisture released from porous substrates during curing.



**PROTECH**  
— GROUP —

## OVERVIEW

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### How does it work?

AG-KOTE™ is a polyester-based coating formulated to be cured at temperatures as low as 160°C. It promotes energy savings and higher productivity

without sacrificing the quality and properties of the coating.

### Main Features

- Low temperature curing promotes energy savings and higher productivity when painting large objects.
- Possibility to coat thin and thick material at the same time without colour and effect differences.
- Excellent UV, chemical, and corrosion resistance.
- Can be combined with some other Protech Group coating features.

## TYPICAL APPLICATIONS

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### Commercial & industrial

- Street furniture
- Store fixtures
- Lighting
- Fencing

### Functional

- Electronics
- Valves & fittings
- Rebar
- Pipelines

## COLOR OPTIONS

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### Stock colors

Select one of the many stock colors that are readily available for processing.

### Color reference chart

Get inspired from a broad range of standard colors. Request a RAL fan deck or ask one of our experts.

### Custom formulations

Talk to your coating expert regarding custom formulations to fit your exact needs.

## SUPPORT

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### Compliance

AG-KOTE™ can be formulated to be compliant with certain guidelines. Ask our experts to see what different types of compliance, certification, or accreditation is available in your area.

# Care & maintenance

To ensure the life of your asset is maximised, a simple and regular maintenance program should be implemented.

Contact our experts for specific tips and advice of cleaning.

# Troubleshooting

We stand by our products, even when things don't go quite as planned. From cleaning and phosphating all the way to the final cured film appearance, we are here to help address your issues with proven solutions.

Contact our experts for tailored support.

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|------------------------|--|
| PROVEN PERFORMANCE     |  |
| PRE-TREATMENT          | For steel and Aluminum–Phosphating or Zirconium or other suitable surface treatment  |
| APPLICATION CONDITIONS | Electrostatic powder spray 40 to 120 kv  |
| FILM THICKNESS         | For normal usage 1.5 to 4.0 mils (Color and finish type related)   |
| HARDNESS               | HB to 4H (Formulation related)   |
| SPECIFIC GRAVITY       | 1.2 to 1.75 (Color related)  |
| COVERAGE               | 160 to 110 ft² / lbs / mil at 100% efficiency (Color related)  |
| BAKING SCHEDULE        | METAL TEMPERATURE (Formulation Related)<br>8-10 minutes at 280°F (138°C) Super low temperature cure<br>8-10 minutes at 320°F (160°C) Low temperature cure<br>2-6 Minutes at 400 (205°C) Fast Cure<br>7 minutes at 400°F (205°C) Regular cure<br>8+ minutes at 400F (205°C) Slow cure |





## FORMULATING THE RIGHT MIX

For more than 45 years, the Protech Group has been developing and manufacturing coatings, paints, and specialty materials. Through quality and innovation, we formulate the right mix to protect and enhance what matters most to our customers. The Protech Group products are manufactured in more than 20 sites worldwide. We serve our customers in countless markets and industries, including construction, infrastructure, transportation, consumer goods, and healthcare.



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