

# HD-KOTE

## THERMOSET POWDER COATINGS

HD-KOTE is a patented thermoset powder coating solution for heavy-duty applications that require superior protection from the elements. With high corrosion, scratch and chemical resistance, HD-KOTE dramatically increases the lifespan of products by reducing maintenance and replacement costs.



## OVERVIEW

---

### How does it **work**?

HD-KOTE is a polyester-based one-coat system with superior corrosion properties. It forms a physical barrier between the metal substrate and the atmosphere which contains moisture, the main cause of corrosion.

### Main Features

- Dramatically increases the lifespan of products by reducing maintenance and replacement costs.
- Superior anti-corrosion properties.
- One-coating system without a need for a primer.
- Prevents moisture from reaching substrate.
- Excellent scratch and chemical resistance.
- Can be combined with some other Protech Group coating features.

## TYPICAL APPLICATIONS

---

### Commercial & industrial

- Tools and hardware
- Outdoor furniture
- Sports and recreation equipment
- Architecture and construction
- AC and heating systems

### Transportation

- Heavy duty machinery, vehicles, and equipment
- Rails and trains
- Aviation and aerospace industries

## COLOR OPTIONS

---

### 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 that correspond with your exact needs.

## SUPPORT

---

### Compliance

HD-KOTE can be formulated to be compliant with certain guidelines. Ask our experts to see which certification or accreditation is available in your area.

# Care & maintenance

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

Contact our experts for specific cleaning tips and advice.

# 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.

## PROVEN PERFORMANCE

|                        |                                                                                                                                                                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PRE-TREATMENT          | For steel and Aluminum-Phosphating or Zirconium or other suitable surface treatment                                                                                                                                                                                                  |
| APPLICATION CONDITIONS | Electrostatic powder spray 40 to 100 kv                                                                                                                                                                                                                                              |
| FILM THICKNESS         | For normal usage 2.0 to 7.0 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 ft <sup>2</sup> / 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.

Since 1976, 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. 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.



info@theprotechgroup.com  
www.theprotechgroup.com  
1-800-361-9364



This document contains general information only and should not be construed as creating any warranties, expressed or implied.  
© 2025 Protech Chemicals Inc. All rights reserved.