

# HD-KOTE

## THERMOSET POWDER COATINGS

Depending on the end product, rust and corrosion can occur. Corrosion is due to a chemical reaction between metal and its environment, causing changes in the metal's properties which often damage the metal. Coating the product with a durable anti-corrosion system is a very important part to ensure a long-lasting product.

HD-KOTE is a patented thermoset powder coating solution for heavy-duty applications needing superior protection from the elements with high corrosion resistance capabilities.



## OVERVIEW

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

HD-KOTE is a polyester-based one-coat system with superior corrosion properties.

substrate and the atmosphere which contains moisture, the main cause of corrosion.

It forms a physical barrier between the metal

### 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

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### Commercial & industrial

- Industrial fans
- Outdoor furniture

### Transportation

- Heavy duty machinery vehicles & equipment

## 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

HD-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.

## 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) 8-10 minutes at 280°F (138°C) Super low temperature cure 8-10 Minutes at 320°F (160°C) Low temperature cure 2-6 Minutes at 400 (205°C) Fast Cure 7 minutes at 400°F (205°C) Regular cure 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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