

# HELIOCOAT®

THERMOSET POWDER COATINGS

The Protech Group's ultra-high heat-resistant HELIOCOAT® is designed to withstand extreme temperatures. It forms chemical bonds during curing, making it resistant to heat-induced degradation. These coatings are suitable for indoor and outdoor use and maintain their integrity even under prolonged exposure to consistent heat. Heliocoat powders provide exceptional color retention and stability, making them ideal for applications such as BBQs, industrial heaters, chimney stacks, engine casings, and engine manifolds.



**PROTECH**  
— GROUP —

# Turn up the heat with Heliocoat.

## MAIN FEATURES

- **High Heat Resistance** – Withstands up to 1300°F (700°C), depending on formulation.
- **Outdoor-Ready** – Durable options for exterior use like furniture and railings.
- **Non-Contaminating** – Safe for use near sensitive surfaces and items.
- **Thermal Insulation** – Helps maintain consistent temperatures.
- **Fire Retardant** – Slows fire spread with flame-resistant properties.
- **Continuous Heat Tolerance** – Suitable for high-heat uses like baseboard heaters.
- **Color & Gloss Stability** – Resists yellowing, fading, and cracking over time.
- **Corrosion Resistant** – Strong barrier against rust and moisture.

## TYPICAL APPLICATIONS

- **Industrial and Commercial:** Ovens and Grills, Heaters and Radiators, Lighting Fixtures, Exhaust Systems
- **Automotive and Transportation:** Engine Components, Brake Parts, Motorcycle and ATV Parts
- **Appliances and Consumer Goods:** Toasters, Coffee Machines, Hair Styling Tools, Small Kitchen Appliances
- **Architectural and Structural:** Outdoor Metal Structures, Chimney Caps and Flues



## OUR SOLUTIONS

We offer advanced, low-friction thermoset coatings for a diverse range of applications. If your specific need isn't listed, feel free to contact us—we're here to help.

## TECHNICAL PROPERTIES

Essential technical details are outlined below. Full Technical Data Sheet (TDS) available upon request.

Our heat-resistant powder coatings are available in four performance grades.

<b>CATEGORY 1 - 350°F – 450°F (177°C – 232°C)</b>	Cure: 10 min @ 400°F (200°C)   Gloss: 3–90°   Impact: Up to 160 in.lb   Tested: 24 hrs in Blue M convection oven.
<b>CATEGORY 2 - 500°F – 600°F (260°C – 316°C)</b>	Cure: 10 min @ 400°F (200°C)   Gloss: 3–40°   Impact: Up to 160 in.lb   Tested: 12 hrs continuous in Thermolyne 1400 oven.
<b>CATEGORY 3 - 600°F – 900°F (316°C – 482°C)</b>	Cure: 20 min @ 450°F (230°C)   Gloss: 3–40°   Impact: Up to 40 in.lb   Tested: 6 hrs continuous in Thermolyne 1400 oven.
<b>CATEGORY 4 - &gt; 900°F (&gt; 482°C)</b>	Cure: 20 min @ 400°F (200°C)   Gloss: 3–40°   Impact: Up to 40 in.lb   Tested: 1 hr continuous in Thermolyne 1400 oven.



## 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.



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