

AG-KOTE™

THERMOSET POWDER COATINGS



AG-KOTE™ is the Protech Group's anti-gassing powder line designed for coating porous substrates like cast metals and galvanized steel. Its unique formulations require low curing temperatures, resulting in fewer surface defects such as craters and bubbles, while also offering energy and cost savings.



OVERVIEW

Anti-Gassing Power. Surface Perfection.

Anti-gassing powder coatings are specially formulated to prevent defects such as pinholes, craters, and bubbles that can occur when gases trapped in porous metal substrates, like cast aluminum or galvanized steel, escape during the curing process. These coatings help ensure a smooth, uniform finish by allowing trapped gases to escape before the film fully cures, significantly

improving both aesthetics and long-term performance. With advanced degassing technology, AG-KOTE™ ensures a smooth, high-quality finish, providing excellent adhesion, durability, and aesthetic appeal for demanding industrial applications.

MAIN FEATURES

- **Degassing Additives** – Minimize pinholes and surface defects.
- **Low-Temp Cure** – Ideal for ultra-sensitive substrates.
- **Smooth Finish** – Ensures uniform, blemish-free coating.
- **Strong Adhesion** – Bonds well to porous and tricky substrates.
- **High Coverage** – Improves efficiency and reduces rework.
- **Versatile Use** – Ideal for industrial and outdoor parts.
- **Chemistry Options** – Available in polyester, epoxy, and hybrids.
- **Boosts Productivity** – Reduces defects and downtime.

TYPICAL APPLICATIONS

- **Architecture & Construction** – Galvanized guardrails, fencing, metal beams
- **Automotive & Transportation** – Cast aluminum wheels, engine covers, brackets
- **Industrial Equipment** – Sand-cast housings, die-cast machine parts, enclosures
- **Utilities & Infrastructure** – Power cabinet housings, structural poles, pipe supports
- **Outdoor & Recreational Products** – Patio furniture, park benches, playground structures
- **Agriculture & Heavy Equipment** – Cast or galvanized chassis parts, tool housings



OUR SOLUTIONS

We offer advanced, anti-gassing 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.

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 ft ² / lbs. / mil at 100% efficiency (Color related)
BAKING SCHEDULE	<ul style="list-style-type: none">• Super low-temperature cure: 10-30 minutes at 280°F (138°C); epoxy can cure at 250°F.• Low-temperature cure: 8-20 minutes at 320°F (160°C).• Fast cure: 2-5 minutes at 400°F (205°C).



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@theotechgroup.com
www.theotechgroup.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.