

PERMASLIP®

THERMOSET POWDER COATINGS

PERMASLIP® powders are formulated to produce coatings that exhibit an extremely low coefficient of friction, and are available in a diverse array of colors, in both smooth and textured finishes. They are designed to deliver outstanding resistance against chemicals, stains, slips, marks, abrasions, and scratches. Like all Protech powders, Permaslip is environmentally friendly and free from solvent emissions. Additionally, a PFOA-free option is now available.



OVERVIEW

Low Friction Thermoset Powder Coatings.

PERMASLIP®'s low coefficient of friction (COF) provides these powders with outstanding slip characteristics, making them perfect for specific applications that require ultra-low friction. This enables interlocking or meshing products to glide smoothly against one another. Shopping carts can be stacked together without the risk of

chipping, and drawer slides move seamlessly without wearing down the coating. Permaslip powders provide a durable, chip-resistant finish with high abrasion resistance and low friction, making them ideal for shelving, machinery, and snow removal equipment.

MAIN FEATURES

- **Ultra-Low Friction** – Reduces sliding resistance with specialized additives.
- **High Durability** – Resists wear, stains, chemicals, and heavy use.
- **Scratch & Chip Resistant** – Maintains finish under impact and abrasion.
- **Minimized Wear** – Lowers friction to extend part life and cut maintenance.
- **Indoor & Outdoor Use** – Performs well in varied environments.
- **Smooth Sliding Action** – Enables effortless movement and interlocking.
- **Color & Texture Variety** – Available in multiple finishes and shades.

TYPICAL APPLICATIONS

- **Industrial Machinery:** Earth-moving machines, commercial snow removal machinery, lawn mowers.
- **Automotive Components:** Seat rails, hinges, latches, and sliding mechanisms.
- **Consumer Goods:** Drawer slides, appliance parts, cabinet hardware, shopping carts.
- **Packaging & Material Handling:** Chutes, bins, roller tracks, and flow control systems.
- **Tools & Equipment:** Telescoping arms, clamps, adjustable parts, and fasteners.



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.

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	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.

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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