

PERMASLIP®

THERMOSET POWDER COATINGS



Some products require a surface that can slide or slip effortlessly in order to reduce wear or heat caused by friction. PERMASLIP® is a proprietary thermoset powder coating solution that exhibits an extremely low coefficient of friction while maintaining hardness for a durable finish.



OVERVIEW

How does it **work**?

The unique PERMASLIP® low-friction powder coating exhibits dry-lubricating properties which allows interlocking or meshing products to slide effortlessly into each other.

The increased toughness of PERMASLIP® is also formulated for an extremely durable and chip-resistant finish.

Main Features

- Lowest coefficient of friction of any thermoset powder coating.
- Scratch and chip resistance.
- Significant friction and wear reduction, mitigating the need for conventional lubricants or replacement.
- Flexible application for indoor or outdoor use.
- Can be combined with some other Protech Group coating features.

TYPICAL APPLICATIONS

Commercial & industrial

- Street furniture
- Store fixtures
- Office supplies
- Tools & hardware
- Medical supplies
- Shopping carts

Functional

- Heavy duty vehicles & equipment

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 fit your exact needs.

SUPPORT

Compliance

PERMASLIP® can be formulated to be compliant with certain guidelines. Ask our experts 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 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 ft² / 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.



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.