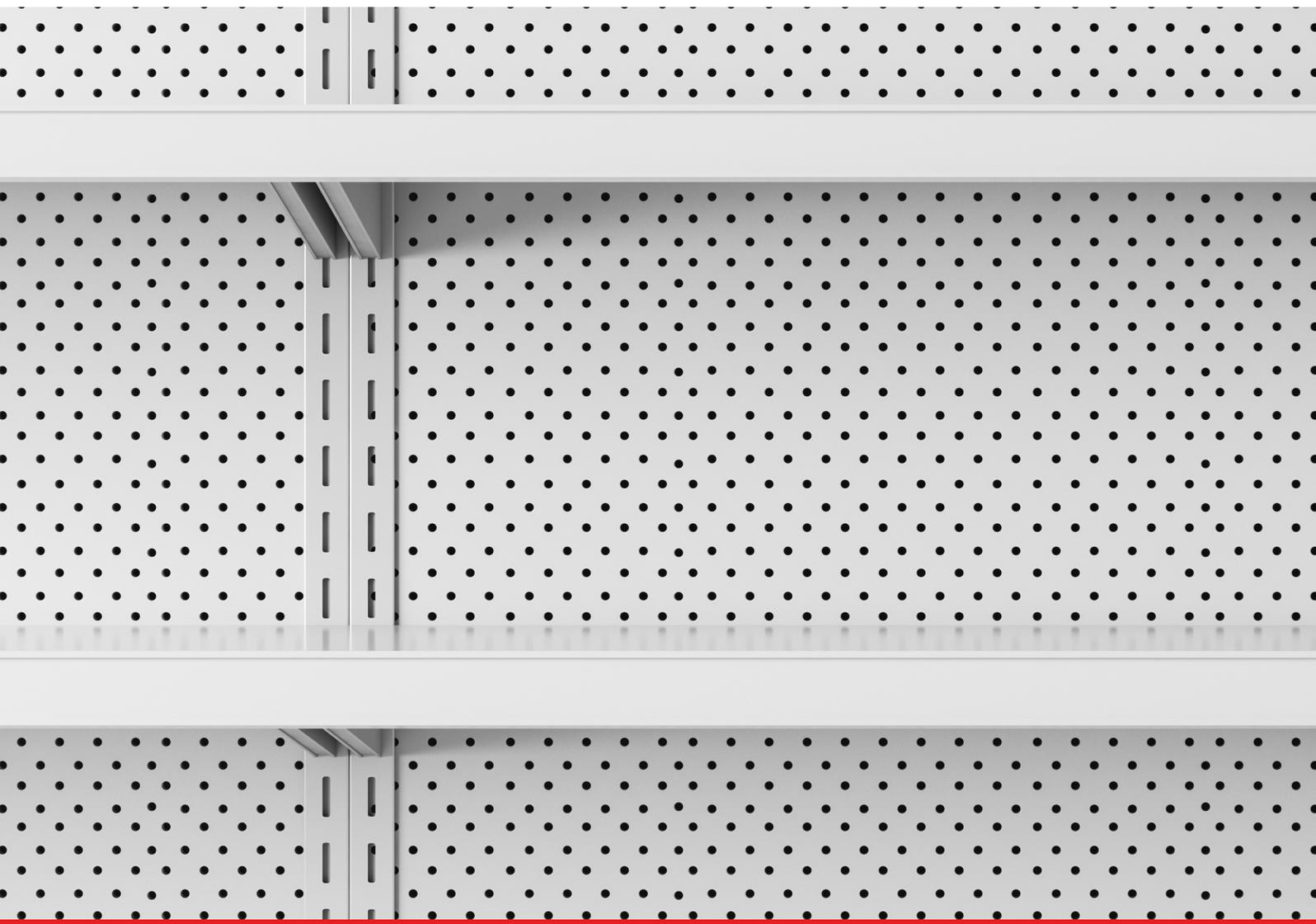


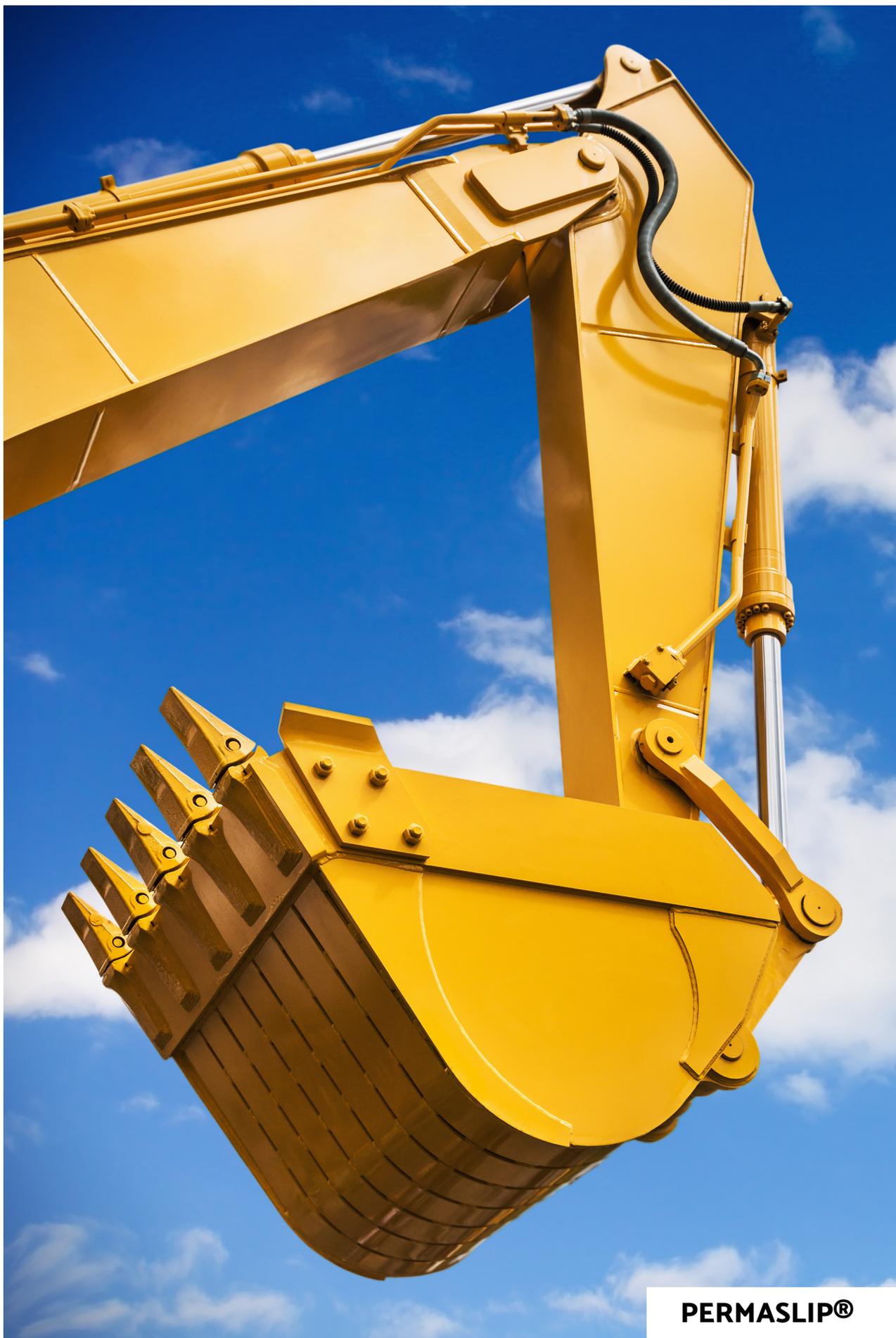
INDUSTRIAL & COMMERCIAL



Today's modern workplace is a second home, and that means every detail is appreciated, from styles and colors to textures and finishes.

We formulate to handle the daily workload. Our vibrant and durable coatings are available in virtually any color and clear coats. With unique industry-leading resistances and easy-clean properties, we help give every commercial and industrial setting and products a lasting style.





PERMASLIP®

FEATURED SOLUTIONS

THERMOSET POWDER COATINGS

CURVECOAT™

CURVECOAT™ is formulated to combine durability and flexibility. It is the ideal solution for substrates that must be reshaped after being painted, dramatically reducing material handling issues in the manufacturing process.

- One of the most flexible coatings available.
- Excellent overall durability.
- Allows post bending with chip and crack resistance.
- Reduces material handling which may result in reduced transport and packaging costs
- Flexible application for indoor or outdoor use.
- Can be formulated with most Protech Group coatings.

THERMOSET POWDER COATINGS

PERMASLIP®

The unique PERMASLIP® low-friction exhibits dry-lubricating properties allowing interlocking or nesting products to easily slip away. The increased toughness of PERMASLIP® is also formulated for an extremely durable and chip-resistant finish.

- Lowest coefficient of friction of any thermoset powder coatings.
- Scratch and chip resistance.
- Significant friction and wear reduction, mitigating the need for additional costly anti-wear material.
- Flexible application for indoor or outdoor use.
- Can be formulated with most Protech Group coatings.

THERMOSET POWDER COATINGS

STERILCOAT®

Moisture causes a controlled release of silver ions embedded in the special silver-containing zeolite. Silver ion interferes with the bacteria cell membranes to inhibit respiration and growth. Unlike surface disinfectants, which temporarily eliminate microbes from the surface of the coating, STERILCOAT® technology is designed to work 24/7.

- Includes the active ingredient silver zinc zeolite antimicrobial technology designed to protect coated surfaces.
- Allows for surfaces to remain hygienically clean.
- Helps prevent mildew, stains, and material deterioration.
- Can be formulated with most Protech Group coatings.

THERMOPLASTIC COATINGS

GLAS-LOK®

GLAS-LOK® is formulated as a functionalized polyethylene copolymer that specializes in glass adhesion, to improve mechanical resistance to fragile products. It can be applied by fluidized bed or electrostatic spray.

- Shatterproof coating that protects both the user from injuries and the product itself
- Chemical, scratch and chip resistance.
- Preserves the original product appearance with a high gloss, high transparency finish
- Helps extend product lifetime and safety through a protective coat.

SPECIALTY MATERIALS

SYNLEX

SYNLEX are synthetic latex compounds produced to achieve specific high performance properties. Some of the primary synthetic polymers used include polychloroprene, nitrile, acrylic, SBR, and polyvinyl acetate.

- Formulated for a wide variety of market applications and processing methods.
- Optimized for applications including adhesives, dipping compounds, sealants, binders and coatings.
- Can be used to produce flexible and durable end products.
- Offers outstanding physical toughness and a wide processing temperature range.
- Chemical, heat, UV, flame and abrasion resistance.



STERILCOAT®

APPLICATION MATRIX

	OUTDOOR FURNITURE	STORE FIXTURES & MERCHANDISING	MEDICAL SUPPLIES & DEVICES	TOOLS & HARDWARE	PACKAGING	INDOOR LIGHTING
THERMOSET POWDER COATINGS						
AG-KOTE™	✓	✓	✓	✓	✗	✓
CURVECOAT™	✗	✓	✗	✓	✗	✗
E-BOND™	✓	✓	✓	✓	✗	✓
HELIOCOAT®	✗	✗	✗	✓	✗	✓
PERMASLIP®	✓	✓	✓	✓	✗	✗
SOLAR™	✓	✗	✗	✗	✗	✓
STERILCOAT®	✓	✓	✓	✓	✓	✓
VELVACOAT™	✓	✓	✗	✗	✓	✗
Z-SERIES™	✓	✗	✗	✓	✗	✓
THERMOPLASTIC COATINGS						
DURALON™	✗	✗	✓	✓	✗	✗
GLAS-LOK®	✗	✓	✓	✗	✗	✓
POLYARMOR®	✓	✗	✓	✓	✗	✗
SPECIALTY MATERIALS						
PLASTISOL	✓	✗	✗	✓	✗	✗
NATLEX	✗	✗	✓	✗	✓	✗
SYNLEX	✗	✗	✓	✗	✓	✗

PROVEN PERFORMANCE

We are constantly striving to improve by researching new chemistry to solve whatever challenges our customers present to us. If our current product lines do not suit your exact requirements, we have the ability to custom engineer one that will. Through development, we always deliver the right mix.



THERMOSET POWDER COATINGS

Thermoset powder coatings, such as SOL-AR™, X-GRAF®, and Z-SERIES™ are developed and manufactured state-of-the-art chemistries that comply with the latest environmental and operational regulations.

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

PROVEN PERFORMANCE

THERMOPLASTIC COATINGS

Thermoplastic coatings, such as GLAS-LOK®, can be formulated to be compliant with certain guidelines.

TYPE	METHOD	RESULT
SPECIFIC GRAVITY	ASTM D792	0.943 g/cm ³
ADHESION	ASTM D4541	>1,527 PSI (10.7MPa)
HARDNESS	ASTM D2240	50
IMPACT RESISTANCE	ASTM D2794	>384 in./Lbs. (43 Joules)
TENSILE STRENGTH	ASTM G638	2207 PSI (15.2MPa)
ELONGATION (%)	ASTM D638	305%
QUV	ASTM G53	2,000 hours, no significant change in color or gloss
TABER ABRASION	ASTM D4060	61 mg loss, CS 17 wheel
FLEXIBILITY (CONICAL MANDREL BEND)	ASTM D522	1/8 in (3.2mm), no cracks (>32%)
MELT INDEX	ASTM D1238	32

SPECIALTY MATERIALS

Specialty Materials, such as SYNLEX, can be tested on demand for various properties:

- Tensile
- Tear
- Elongation
- Swollen diameter
- Mechanical stability
- Flame retardancy
- Total solids
- Viscosity
- pH
- Hardness
- Bond strength
- Weight per gallon

ASK AN EXPERT

Our coating experts can help you streamline the process, saving you time and money by providing the right coating advice for your product or project.



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