

GLAS-LOK®

THERMOPLASTIC COATINGS



Glass is frequently used for functional or decorative applications. It offers multiple advantages and a unique look, but it has a main weakness, it can break.

Bringing safety and protection to all types of glassware is essential.

GLAS-LOK® is single coat, primer-free, BPA-free, high strength adhesive thermoplastic coating solution which provides shattering protection for glass



OVERVIEW

How does it **work**?

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.

Main Features

- 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 extends product lifetime and safety through a protective coat.

TYPICAL APPLICATIONS

COMMERCIAL & INDUSTRIAL

- Lighting
- Packaging
- Medical Supplies

CONSUMER PRODUCTS & APPLIANCES

- Glassware
- Glass Decorations

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 to fit your exact needs.

SUPPORT

Compliance

GLAS-LOK® can be formulated to be compliant with certain guidelines. Ask our experts to see what different types of compliance, certification, or accreditation is available in your area.

Care & maintenance

To ensure the life of your asset is maximised, a simple and regular maintenance program should be implemented.

Contact our experts for specific tips and advice of cleaning.

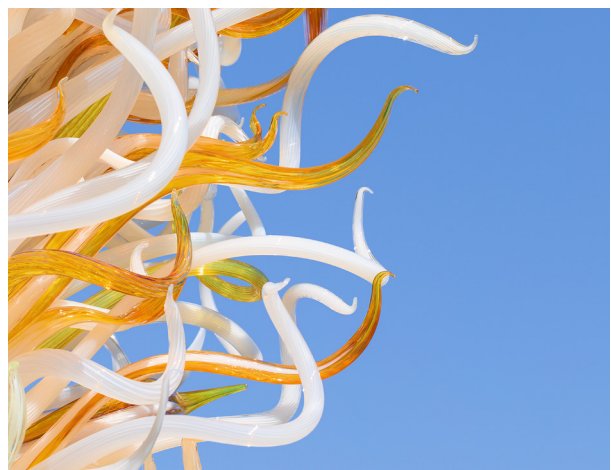
Troubleshooting

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

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



FORMULATING THE RIGHT MIX

For more than 45 years, 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. The 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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