

DURAPOL™

THERMOPLASTIC COATINGS



Many specific products we see and use on a daily basis require special attention to make sure it is hard wearing and tough, to extend the product lifetime and overall durability.

DURAPOL™ is one-coat thermoplastic coating solution. Designed as an alternative to nylon based coatings, it is formulated to meet the most demanding performance requirements.



OVERVIEW

How does it **work**?

DURAPOL™ is formulated with copolymers for higher durometer. It adheres as one coat.

Main Features

- One coat system.
- Heat, corrosion and chemical resistance.
- Superior durability.

TYPICAL APPLICATIONS

CONSUMER PRODUCTS & APPLIANCES

- Appliances

TRANSPORTATION

- Interior Components

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

DURAPOL™ 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
RECOMMENDED THICKNESS	ASTM D6132	8 mils (203 micron) - 12 mils (305 micron)
GLOSS	ASTM D523	70 ± 5
HARDNESS	ASTM D2240	Shore D 35 ± 5
TENSILE STRENGTH	ASTM D638	2600 psi (18 MPa)
ELONGATION (%)	ASTM D638	240%
TABER ABRASION	ASTM D4060	1000 Cycles - 12.6mg loss, CS10 wheel & 10.8mg loss, CS17 wheel
BRITTLENESS TEMPERATURE		-108 °F (-78 °C)
FLEXIBILITY	ASTM D522	1/8 in (3.2 mm), no cracks (>32%) (Conical Mandrel)
SALT SPRAY	ASTM B117	2000 hrs. No significant under cut or creep
QUV	ASTM G53	2000 hrs, No significant change in color or gloss.
HUMIDITY RESISTANCE	ASTM D2247	No blistering or loss of gloss after 1000 hours.



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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