

# DURALON™

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.

DURALON™ is two-coat thermoplastic coating solution primarily nylon-based.



## OVERVIEW

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### How does it **work**?

DURALON™ is formulated with nylon for a higher durometer and temperature resistance. It adheres with an initial primer coat.

### Main Features

- Two coat system.
- UV, corrosion and chemical resistance.
- Excellent durability.

## TYPICAL APPLICATIONS

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### Consumer Products &

- Appliances

### Transportation

- Interior Components

## COLOR OPTIONS

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### 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

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### Compliance

DURALON™ 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
MELTING POINT	ISO 3146	176 °C
DENSITY @ 23 °C	ISO 1183	1.06 g/cm <sup>3</sup>
SHORE HARDNESS D	ISO 868	75
BALL INDENTATION HARDNESS	ISO 2039-1	101 N/mm <sup>2</sup>
TENSILE TEST STRESS AT YIELD STRAIN AT YIELD STRAIN AT BREAK	ISO 527-1 ISO 527-2	42 Mpa 6%> 100%
VOLUME RESISTIVITY	IEC 60093	10 <sup>12</sup> Ω · m
DIELECTRIC BREAKDOWN VOLTAGE	IEC 60243-1	85 kV/mm
WATER ABSORPTION - 100 °C, IMMERSION	ISO 62	1.65%
MOISTURE ABSORPTION 23 °C, 96 % R. H. 23 °C, 50 % R. H	ISO 62	1.2% 0.5%
COEFFICIENT OF LINEAR EX- PANSION 23 - 55 °C	ISO 11359	1.04 10 <sup>-4</sup> /K-1
THERMAL CONDUCTIVITY	DIN 52612	0.22 - 0.27 W/mK
SPECIFIC HEAT	DIN 53765	2.35 J/g · K
TABER ABRASION - CS17, 500G	ASTM D2247	< 1 mg @ 100



## 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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