

# CLONECOAT™

## THERMOSET POWDER COATINGS



In mould decoration is attractive because a fully, or partially, decorated component is produced directly from the moulding process, with reduced emissions at lower process costs when compared to traditional techniques. This requires a specific coating application through a valve into a closed mould.

CLONECOAT™ is a patented thermoset powder coating solution that assumes the shape and contours of any moulding tool which allows the finish to be formed in a myriad of textures while maintaining durability.



## OVERVIEW

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

CURVECOAT™ is formulated specially to coat parts directly in the mold. This allows the coat to cure and bond to the material as the material itself forms and

cures. The end result is an inseparable bond for maximum durability and adherence.

### Main Features

- Covers complex shapes and seals pores and isolates fibers during the molding process.
- Can be used as a primer or as a finished topcoat.
- Excellent durability and chemical, scratch and chip resistance.
- Homogeneous surface due to in-mold chemical reaction.
- May result in more efficient production and cost savings as no ovens are required.
- Can be combined with some other Protech Group

## TYPICAL APPLICATIONS

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### Consumer goods & appliances

- recreational items
- electronics
- medical devices

### Transportation

- Interior components
- Interior air & rail cabins
- Marine
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## 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

CLONECOAT™ 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

PROPERTIES	CHARACTERISTICS	TEST	RESULT
<b>SPECIFIC GRAVITY</b> 1.3 to 1.7 (depending on color)	<b>PENCIL SCRATCH HARDNESS</b>	ASTM D3363	3H-4H
<b>GEL TIME</b> 15 to 45 seconds	<b>TABER ABRASION</b> (CS-10 wheels, 1000g load, mg weight loss)	ASTM D4060	27
<b>CURE TIME</b> 3 minutes at 150° C (300 ° F)	<b>CROSS-HATCH ADHESION</b>	ASTM D3359	5B
<b>FILM THICKNESS</b> 3 to 6 mils	<b>IMPACT</b> Inch.lb	ASTM D2794	40
<b>STORAGE STABILITY</b> 6 months at max temperature of 18° C (65 ° F)			



## 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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