

# CLONECOAT™

## THERMOSET POWDER COATINGS

Discover CLONECOAT™, a specialized line of in-mold powder coatings designed to elevate sheet molding compounds (SMC). These powders boast impressive hardness and exceptional chemical resistance, serving both as reliable primers and topcoats. CLONECOAT™ stands out for its unique capability to effortlessly take on the shapes and textures of any molding tool, unlocking a world of creative design options for SMC applications.



## OVERVIEW

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### The in-mold powder coating solution

CLONECOAT™ creates an unbreakable chemical bond with SMCs, ensuring exceptional durability and resistance. What's even better? It saves costs

by enhancing the visual, physical, and chemical properties of the SMC surface without coating the entire compound.

### Main Features

- Exceptional hardness (4H)
- Unrivalled chemical, scratch, stain, and graffiti resistance
- Clones any molding tool, whether smooth or textured
- Superior outdoor durability, featuring excellent water and UV resistance
- Achieves complete coverage of complex shapes
- Eliminates the need for post-painting operations
- Seals pores and isolates fibers during molding
- Effective as a primer or a finished top coat
- Creates a homogeneous surface as the powder chemically reacts with the SMC

## TYPICAL APPLICATIONS

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### Consumer goods & appliances

- Recreational items
- Electronics
- Medical devices

### Transportation

- Interior components
- Interior air & rail cabins
- Marine

## SUPPORT

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### Compliance

CLONECOAT™ can be formulated to be compliant with certain guidelines. Ask our experts which certification or accreditation is available in your area.

## 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 that correspond with your exact needs.

## 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 concerns with proven solutions.

## Care & maintenance

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

## PROVEN PERFORMANCE

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





## FORMULATING THE RIGHT MIX.

Since 1976, 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. 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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