

MTE Powder Coat Questions and Answers

QUESTION: How many custom colors do you offer?

Answer: The number of colors available is unlimited when a liquid paint code is supplied to MTE. These custom colors require a minimum purchase of 50lbs of powder material.

QUESTION: If I have a special custom color which is metallic, what options do I have for powder coating?

Answer: The original base powder coat may be used as a base primer. The body could be completely recoated with a liquid metallic top coat which would still give you all benefits of using only powder.

QUESTION: How does powder coat compare to wet spray?

Answer: On average, with a standard industrial coating, powder coat will be two to three times stronger. If a very high quality urethane with a good primer base is used, performance is about the same.

QUESTION: What are my options, if my powder coated body is damaged and needs to be repainted?

Answer: A powder coated body would be treated for panel/spot repair using the same process and methods as a liquid painted body. A powdered top coat can be sanded/primed and spot blended with any high quality liquid paint.

Customer Testimonials

"We use our trucks and equipment in a high chemical and high abrasive environment. Powder coating is the best route for several reasons. The main reason for us is the appearance because we like to have the image of always having superior and functional equipment. For this reason a powder coat finish is the best option for us on our salt spreaders. We also have had great results from the powder coat finish on our Snow Bully Snow Pushers. We own over 20 Of them and we have never had to repaint a single one. Some of the v-boxes we have are 10 years old and have had heavy usage. They also have never been repainted. Only minor touch ups due to either driver or loader error. We will never use any type of equipment that does not have a powder coat finish. That is one of the reasons we use Monroe Snow & Ice Control Products exclusively!"

- Trevor Biebrach, Director of Operations, Snow Systems Incorporated



SCRAPERS • PLOWS • SPREADERS • HITCHES • WINGS • SPINNERS
 DUMP BODIES (LARGE AND SMALL) • PLATFORM BODIES • UTILITY BODIES
 BUMPERS • SNOW & ICE COMPONENTS • TRUCK FRAMES • OIL TANKS
 MOTOR CYCLE FRAMES • ATV FRAMES • TRAILERS • CHIPPER CAPS
 ROLL BARS • RIMS • RAILINGS • LADDER RACKS • VAN BODY COMPONENTS
 RDS BODIES • DTS BODIES • DVS BODIES • VAN BODY COMPONENTS
 TOWING BODIES • TOOL BOXES • HITCH CARRIERS
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MTE Achieving Exceptional Quality Finishes, Our Customers Demand



POWDER COAT



- Environmental
- Economical
- Durable



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Celebrating 50 Years!



MTE Powder Coating with Leading-Edge Technology Since 1997

Powder Coating: is a unique process of coating a surface on which powder material is applied using an electrostatic or compressed air method. The applied powder is then heated (cured) in an oven to it's melting point, after which it flows to form a smooth film, that dries to a firm, durable finish of superior consistency and uniformity. The finish free of chips, runs or bubbles, is extremely resistant to scratches, cracking, peeling, UV rays and rust.

Advantages:

- The ability to withstand high levels of corrosion protection to salt, chemicals, humidity, scratching and impact, far surpassing conventional paint top coats.
- Resists fading from U.V. rays
- Environmentally green process, free of harmful VOC air pollution
- Excellent adhesion
- High degree of scuff, chip and scratch resistance



The entire powder coating process involves several steps:

- The product is cleaned using an abrasive blasting or a chemical cleaning process to insure the substrate is free of any oils, dirt, rust, mill scale, etc.
- The product is treated with a pre-treatment chemical or conversion coating, usually phosphate or zinc based, to further protect it and improve the surface for powder adherence.
- The product is rinsed thoroughly and dried completely.
- It is very important that the right coating is chosen for your application and end use of the item.
- The product is powder coated with an electrostatic gun in a powder coat booth.



Environmental Benefits

- Environmentally SAFE Process
- Emits NO VOC's (volatile organic compounds)
- Contains NO Heavy Metals
- NO Solvent Disposal
- Overspray can be Reclaimed



Effectiveness:

- Exceeds 1000 hours of salt spray resistance.
- 3X Stronger than industrial grade liquid in same environment*

*Based on Tests performed by Monroe Truck Equipment.

Powder Coated Products

- Scrapers
- Plows
- Spreaders
- Hitches
- Wings
- Spinners
- Dump Bodies (Large & Small)
- Platform Bodies
- Utility Bodies
- Tailgate Spreaders
- Bumpers
- Snow & Ice Components
- Sub-Frames
- Truck Frames
- Car Frames
- Motor Cycle Frames
- ATV Frames
- Oil Tanks
- Roll Bars
- Rims
- Railings
- Ladder Racks
- Chipper Caps
- Van Body Components
- Tool Boxes
- Towing Bodies
- Hitch Carriers



MTE Offers Manual or Batch Powder Coat Systems

Manual Capacity:

- Washer: 56"H x 96"W x 192"L
- Shot Blaster: 45"H x 60" W x 168"L
- Weight Limit: 3500lbs.

Wash System - 5 Stage Washer with RO Water



BLAST



WASH



PAINT



CURE

Max Temperature: up to 430°

Batch Booth Capacity:

- Length: 228"
- Width: 108"
- Height: 96"

Wash System - Steam Generated Pressure Wash System with RO Water

WASH



PAINT



CURE



Max Temperature: up to 430°

Available Powder Coat Color Spectrum

- MTE has a wide variety of stock colors on hand.
- MTE can have a custom matched color in 7-10 days.
- MTE works with the industry's top manufacturers to develop powder paints that rival liquid paint appearance, and provide better corrosion and U.V. resistance.

