



## MTE Powder Coating with Leading-Edge Technology Since 1997

**Powder Coating:** is a type of dry coating, which is applied as a free-flowing, dry powder. The main difference between a conventional liquid paint and a powder coating is that the powder coating does not require a solvent to keep the binder and filler parts in a liquid suspension form. The coating is applied electrostatically and is then cured under heat to allow it to flow and form a "skin." The powder is a thermoplastic or thermoset polymer. It is used to create a hard finish that is tougher than conventional paint. Powder coating is mainly used for coating of metals, such as "white goods", aluminum extrusions, and automobile and motorcycle parts.

### 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



**Monroe's 3-Step Process:** 1. Starts with bare steel for improved corrosion protection. 2. MTE inspects and treats the metal surface. 3. MTE then applies specially formulated powder paints that utilizes high flow resins and special additives.



- 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

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| <ul style="list-style-type: none"> <li>• Scrapers</li> <li>• Plows</li> <li>• Spreaders</li> <li>• Hitches</li> <li>• Wings</li> <li>• Spinners</li> <li>• Dump Bodies (Large &amp; Small)</li> <li>• Platform Bodies</li> <li>• Utility Bodies</li> <li>• Tailgate Spreaders</li> <li>• Bumpers</li> <li>• Snow &amp; Ice Components</li> <li>• Sub-Frames</li> <li>• Truck Frames</li> </ul> | <ul style="list-style-type: none"> <li>• Car Frames</li> <li>• Motor Cycle Frames</li> <li>• ATV Frames</li> <li>• Oil Tanks</li> <li>• Roll Bars</li> <li>• Rims</li> <li>• Railings</li> <li>• Ladder Racks</li> <li>• Chipper Caps</li> <li>• Van Body Components</li> <li>• Tool Boxes</li> <li>• Towing Bodies</li> <li>• Hitch Carriers</li> </ul> |
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## MTE Offers Manual or Batch Powder Coat Systems

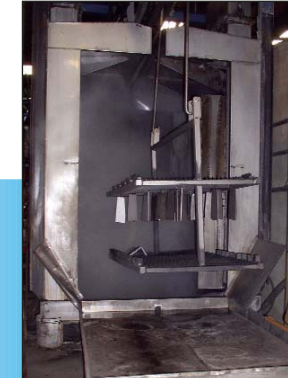
### Manual Capacity:

- 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**

### Batch Booth Capacity:

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

Wash System - Steam Generated Pressure Wash System with RO Water

**WASH**



**PAINT**



**CURE**



### 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.



## MTE Powder Coat Questions and Answers

**QUESTION:** If I have a special custom color which is metallic and you can not match, but prefer your body, would you paint over the powder coat and would the powder coat be better than a primer?

**ANSWER:** You can put a liquid top coat over the primer. The powder coat would be better than primer.

**QUESTION:** What is the number of custom colors presently offered, or is it unlimited if you have a sample of wet spray color?

**ANSWER:** Unlimited as long as you have a liquid paint code to match and are willing to purchase a minimum of 50lbs.

**QUESTION:** If I own a powder coat body and need to repaint due to abuse, what are my options?


**ANSWER:** To re-powder coat the body we would have to remove the body from the truck, disassemble everything, blast the body, paint, re-assemble and remount on the truck. If you prefer liquid, we would have to sand blast, and apply a top coat.

**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. Compared to a very high quality urethane with a good primer base it's about the same.

**QUESTION:** What factual data do you have to prove that powder coat best option?

**ANSWER:** Salt spray on P&O Substrate - passed over 1000 hours. Scab on galvaneal substrate passed on a #10 rating at 25 cycles (industry standard for utilities in 25 cycles, and a #10 is the highest mark you can get). Abrasion ASTM-D-4060 passed (it did not abrade to any of the substrate using a CS10 abrasive wheel with 1000 grams of load on the wheel and ran at 1000 cycles. Hardness - passed 2H. Impact direct/reverse ASTM-D-2794 passed (120min on 20ga bondrite panel using a 5/8" ball.



**MTE Achieving Exceptional Quality Finishes, Our Customers Demand**

**MONROE TRUCK EQUIPMENT**

# POWDER COAT

- Environmental
- Economical
- Durable

100% Powder Coat Finish

SCRAPERS • PLOWS • SPREADERS • HITCHES • WINGS • SPINNERS  
DUMP BODIES (LARGE AND SMALL) • PLATFORM BODIES • UTILITY BODIES  
BUMPER • SNOW & ICE COMPONENTS • SUB-FRAMES • TRUCK FRAMES  
MOTOR CYCLE FRAMES • ATV FRAMES • TRAILERS • OIL TANKS  
ROLL BARS • RIMS • RAILINGS • LADDER RACKS • CHIPPER CAPS  
RDS BODIES • DTS BODIES • DVS BODIES • VAN BODY COMPONENTS  
TOWING BODIES • TOOL BOXES • HITCHCARRIERS  
SCRAPERS • PLOWS • SPREADERS • HITCHES • WINGS • SPINNERS  
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Celebrating 50 Years!

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