

# bltd

WOOD POWDER COATING



LEADING TECHNOLOGY • SURPASSING QUALITY • EMPOWERING DESIGN

## WHAT IS WOOD POWDER COATING?

Design Flexibility + Durability + Environmentally Friendly

Wood powder coating is a revolutionary technology in which custom color polymers are thermally fused and cross-linked to create a strong bond to a wood medium density fiberboard (MDF) substrate. The result is **t.fusion™**, an extremely durable, high quality finish that provides a superior, more attractive, and more durable finish than other wood finishes such as liquid paint, melamine, laminate, or thermofoil--yet is more economical than solid surface options. The finish provides a seamless coating that completely encapsulates the entire part.

## LEADING TECHNOLOGY

Our state-of-the-art manufacturing process provides amazing design flexibility, quick turnaround, and an environmentally friendly product that can be used in many applications.

We are experts in precision CNC machining, proprietary part preparation, and powder application on MDF. Our leading edge R&D expertise using world class powder application technology is unmatched. We consistently produce accurately machined, highest quality finish, powder coated MDF products and components.

Our specialties include:

- Proprietary manufacturing processes--board preparation, powder application, and curing to provide durable finish
- State-of-the-art wood powder coating system
- Large variety of CNC wood technology
- Project specific design consultation

## WHERE TO USE WOOD POWDER COATING

- Office Furniture
- Education
- Store Fixtures
- Point-of-Purchase
- Health Care
- Casework
- Cabinetry
- Millwork
- Residential Furniture
- Closet Organization
- Hospitality
- Restaurants
- Worksurfaces
- Wall Panels
- OEM Products
- and more...



## WHY USE **t.fusion**™ COATINGS?

Our **t.fusion**™ coatings are high quality, elegant finishes that provide the smoothest surface finishes used in wood powder coating for long lasting beauty. The **t.fusion**™ coating provides a seamless finish--completely covering each surface--that guarantees the most consistent, accurate, and high quality finish that lasts.

**t.fusion**™ powder coated finishes are available with custom profiles, in custom shapes, and in virtually any color. **t.fusion**™ powder coated components have proven successful in many applications.



### **t.fusion**™ Colors

- RAL& PMS Color Matching
- Multi-Color -- mix colors to achieve a Metallic, Hammertone, or Veining effect
- Clear
- Tints and Transluents

### **t.fusion**™ Finishes

- UltraSmooth
- Smooth
- Ultra Fine Texture -- suitable for writing surface
- Texture -- not suitable for writing, hides finger prints
- Coarse Texture -- similar to truck bed liner
- Specify a gloss range from 5° - 60°

### **t.fusion**™ Shapes & Contours

- Edge profiles -- i.e. contoured, bullnose, waterfall
- Curvilinear shapes
- Inside cutouts
- 3D contours
- Embossing & etching
- Apply logos or other graphics

### **Antimicrobial Additive**

Specify our antimicrobial formula to protect against bacteria -- perfect for use in:

- Hospitals & Doctor Offices
- Schools & Cafeterias
- Locker Rooms
- Kitchens & Bathrooms
- Hotels & Restaurants

**Inspired?**

Contact us to discuss your ideas today!  
218.828.4144 | [info@BTDWoodPowderCoating.com](mailto:info@BTDWoodPowderCoating.com)



WOOD POWDER COATING



## EMPOWERING DESIGN

Discover design freedom with the flexibility to create unique yet durable products. Define shapes, create custom edge profiles, and pick a color, any color! With our color matching system, you can specify any color in a wide range of finishes to get exactly the look you're after.

The powder coated finish is seamless, making it possible to not only apply shapes to the outside of a component, but also to the inside. Use CNC controlled technology to define precise contours, cutouts, embossing, etchings or surface designs.

The finish is applied uniformly to every surface, so there is no edge separation or delamination.



## DURABILITY

Because powder coated components are completely encapsulated by the coating, our finish provides durability and protection unlike other finishes. The fused coating does not delaminate or separate from the edge. Our powder coated MDF is resistant to:

- Abrasion
- Impact
- Scratches
- Moisture
- Stains
- Chemicals

Not enough? We will gladly work with you to formulate a coating to address special durability needs for your particular application.





## SURPASSING QUALITY

We are adamant about the quality of our products. Finish quality of a powder coated component can vary greatly when the finish is not applied properly, and many flaws are impossible to see with the naked eye.

At BTD, we perform vigorous routine testing to make sure you receive the quality you expect and deserve. Our quality tests measure:

- Mil Thickness
- Cure
- Adhesion
- Color Uniformity
- Coverage Uniformity
- Gloss Readings



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## SUSTAINABILITY

Wood powder coating is a winning design equation for sustainable, environmental stewardship:

- 100% recycled wood
- No VOCs, HAPs, PVCs, heavy metals, or solvents
- All MDF CARB Phase II Compliant
- Powder overspray is recovered and recycled
- LEED Credit
- No off-gassing from coating
- Made from biodegradable materials



**Inspired?**

Contact us to discuss your ideas today!  
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