

## WPC Capstock Technology

Solutions for the Building and  
Construction Industry

### Challenge

Despite claims to the contrary, many Wood Plastic Composite (WPC) products have not lived up to their promise to deliver truly maintenance free materials that are impervious to damage from color fading, staining, scratching, scuffing, and mold & mildew growth.

Much of today's WPC technology is subject to color fade from UV exposure and other damage from everyday use and exposure to weather extremes.

This performance gap has created a critical unmet need for a WPC technology that truly delivers on the promise to provide an ultra-low maintenance solution that customers can count on for years.

### Value Solution

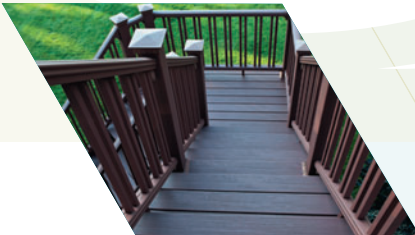
PolyOne's patent pending capstock solutions delivers on the promise. This revolutionary technology works with traditional WPC materials as a substrate on which to adhere a durable outer layer (capstock); making a WPC product that is truly ultra-low maintenance.

PolyOne's WPC expertise helps customers:

- Accelerate speed to market through joint development projects
- Extend product life with customized polymer stabilization technologies
- Improve comfort with "Cooler to the Touch" formulations
- Achieve realistic look and feel of natural wood grain aesthetics
- Optimize processing with tailored pigment chemistries and loadings
- Provide regulatory, technical, analytical, and legal expertise

### Added Value

PolyOne's 40 years of experience supporting applications for the building and construction industry enables us to work with you to provide the "right" solution for your application. We work with you to understand your goals then leverage our experience to most effectively help you move from research and development to commercial launch of your products.



## Applications & Uses

### Fence, Deck, & Rail

- Accelerated speed to market through joint development projects
- Custom profiles
- Injection molded accessories
- Wood plastic composite solutions
- Outdoor furniture
- Co-extruded capstocks

## Polymer Compatibility

Capstock Solutions is compatible with a broad range of materials including:

- Polypropylene
- Polyethylene
- Ionomer based chemistries
- PVC
- Acrylics
- Engineered thermoplastics

**Please contact your nearest sales office for assistance in choosing the right solution for your needs.**

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