**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.

CONTACT INFORMATION

Americas
U.S. - Avon Lake OH +1 866 POLYONE
Argentina - Buenos Aires +0054 11 4200 5917
Brazil - Campinas +55 19 3206 0561
Mexico - Toluca +52 722 2790200

Asia
China - Shanghai +86 (0) 21 5080 1188
China - Shenzhen +86 (0) 755 2969 2888
India - Mumbai +91 9820 194 220

Europe
Belgium - Assesse +32 (0) 83 660 211
Czech Republic - Pilsen +420 224 142 214
Denmark - Glostrup +45 (0) 43 20 6300
France - Tossiat +33 (0) 4 74 42 69 70
Germany - Bendorf +49 (0) 2622 700 90
Hungary - Gyor +36 (0) 96 515 610
Italy - Gallarate (Varese) +39 03 31 797 448
Poland - Kutno +48 24 357 47 00
Spain - Orihuela, Valencia +34 (0) 948 331 011
Sweden - Angereds +46 (0) 31 92 84 50

PolyOne Americas
33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000

PolyOne Asia
Guoshoujing Road No. 88
ZJ Hi-Tech Park, Pudong
Shanghai, 201203, China
+86 (0) 21 5080 1188

PolyOne Europe
6, Giällewee
L-9749 Fischbach
Luxembourg
+32 (0) 83 660 211

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