The building and construction industry is dynamic, with trends towards high-performance buildings, elegant outdoor areas, healthier living spaces, and eco-friendly environments. You need technologies that can help you capitalize on these trends and deal with market changes. At Avient, we have solutions that will do just that.

From performance additives that focus on extending product life to special effect colorants that create stunning results, we have technologies that can help you address your challenges. Our vast portfolio delivers product performance and processing efficiencies that will help you gain market advantages and grow your bottom line. And, robust technical support from product design through production provides even greater benefits throughout your process.

**DESIGN & PROCESSING**
Material flexibility and customization, extrusion and molding optimization techniques
**SOLUTION:** Advanced polymer science, application development, technical service

**SURFACE FINISH**
Low maintenance, natural wood grain aesthetics
**SOLUTION:** Wood plastic composite (WPC) capstock technology

**LANDSCAPE HARMONY**
Concrete surfaces, patio coloring, stucco
**SOLUTION:** Pool colorants, metallic flooring colorants, stains

**VISUAL AESTHETICS**
Custom colors, deep shades, special effects
**SOLUTION:** Metallic colorants, granite & woodgrain effects

**PROTECTION**
Heat, flame, and impact resistance, chemical resistance, water resistance, mold & mildew resistance
**SOLUTION:** Heat & flame retardants, laser marking additives, colorants & additives

**DURABILITY**
Wind & impact resistance, chemical resistance, weatherability
**SOLUTION:** Scratch & mar resistant or UV/IR resistant additives, dimensional stabilizers

**LONGEVITY**
Long service life, chemical resistance, mold & mildew resistance
**SOLUTION:** Weatherable colorants, impact modifiers, antimicrobial additives

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**SAFETY**
Security and prevention
**SOLUTION:** Flame retardants, laser marking additives, electrical and thermal additives

**SUSTAINABILITY**
LEED building & material credits, healthy building, reduced energy use, lightweighting, eco-conscious
**SOLUTION:** Recycled materials, chemical foaming agents, bio-derived colorants & additives

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<th>TECHNOLOGY</th>
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| Antimicrobial Additives          | Antimicrobial technology to limit microbe growth—reduces bacterial, mold and | • Potable water equipment  
|                                  | fungal growth on surface and through thickness, protecting finished part      | • Roofs & eaves  
|                                  |                                                                            | • High-touch surfaces  
|                                  |                                                                            | • Bath surrounds, liners & inserts                                                      |
| Scratch & Mar Resistance         | For applications requiring resistance to daily surface abrasion, and management | • Exterior fencing, decking, railings & shutters  
| Additives                        | of surface energy                                                          | • Outdoor furniture  
|                                  |                                                                            | • Playground equipment                                                                |
| Flame Retardant Additives        | Reduces spread of fire and heat release by creating a char to limit oxygen    | • Wire & cable  
|                                  | at the flame source                                                         | • Decking, fencing & railings                                                      |
|                                  |                                                                            | • Exterior siding & cladding                                                          |
| UV and Light Blocking Additives   | UV stabilizers help mitigate the harmful effects of UV radiation while light   | • Roofing, shingles, tiles  
|                                  | blocking additives protect products sensitive to light                       | • Fencing, decking, railings & shutters                                               |
| Anti-static and Conductive       | Controls build-up of static charges to create static-dissipated parts while   | • Electrical connectors  
| Additives                        | reducing related dust accumulation                                           | • Junction boxes  
|                                  |                                                                            | • 5G enabling                                                                      |
| Chemical Foaming Agents          | Reduces weight and density without compromising mechanical properties        | • Exterior siding & cladding  
|                                  |                                                                            | • Decking, fencing & railings                                                      |
| Optimization Additives           | Cycle-time reducers that help optimize production while allowing improved    | • Used in extrusion and injection molding processes to improve thermal conductivity,  
|                                  | dimensional stability and energy efficiency, among other processing benefits  | and lower processing temperatures and energy consumption |
| Laser Marking                    | Supports design and production flexibility and offers a new level of control  | • Wire & cable  
|                                  | in marking polymers with speed and clarity                                    | • Equipment & housings  
|                                  |                                                                            | • Outdoor furniture  
|                                  |                                                                            | • Pipes & fittings                                                                 |
| Anti-counterfeiting Additives     | Customizable in-plastic authentication technologies that enable positive     | • Wire & cable jacketing  
|                                  | identification versus counterfeit products                                    | • Telecommunications  
|                                  |                                                                            | • Pipes & fittings                                                                 |
| Wood Plastic Composite (WPC)     | Pair with traditional WPC materials as a substrate for a durable outer layer  | • Exterior siding & cladding  
| Capstock Technology              |                                                                            | • Fencing, decking & railings                                                      |
| Sustainable Colorants & Additives| Color concentrates and additives carefully chosen to meet industry           | • Green building roofing  
|                                  | requirements and legislation, and designed to lower environmental impact while| • Sheet & profile extrusions  
|                                  | improving sustainability                                                      | • OSHA compliance  
|                                  |                                                                            | • LEED building & material credits                                                   |
| FX Special Effects Colorants     | Granite, marbling, woodgrain and other distinctive colorant technologies to | • Decorative molding  
|                                  | provide special surface effects                                              | • Wallcovering  
|                                  |                                                                            | • Any surface or part demanding a distinctive look                                    |
| Pool Colorants                   | Durable, long-lasting pigment formulations for finishes that hold up to pool | • Pool decks  
|                                  | water chemistries                                                            | • In-ground swimming pools                                                           |
| Metallic Flooring & Stain        | Colorants designed to give concrete floors and surfaces a distinctive        | • Concrete flooring  
| Colorants                        | appearance                                                                  | • Decorative concrete  
|                                  |                                                                            | • Countertops                                                                      |
|                                  |                                                                            | • Walls                                                                           |

While this listing represents many Avient solutions and addresses common applications, we can tackle many other building & construction needs. Bring us your challenges and let our material experts help you find the solution that will transform your vision into reality.
Avient is a premier provider of specialized and sustainable material solutions and services that transform customer challenges into opportunities. Our range of world-class services includes:

**Color Technology:** Custom color design, saturated colors, and special effects to fill market niches and eliminate secondary operations

**Color & Design Services:** Trend and color insights, and product development assistance to optimize design and gain speed to market

**Regulatory Coordination:** Aid with new product approvals to reduce regulatory overhead and minimize risk

**Field Technical Service:** Support for tool design, startup and production optimization to gain manufacturing efficiencies

**Sustainability:** Innovative materials and solutions to help you meet your sustainability goals

To learn more visit www.avient.com or call 1.844.4AVIENT (1.844.428.4368)