AURORA Material Solutions™

PEOPLE. PARTNERS. POSSIBILITIES.

www.auroramaterialsolutions.com

Weather- and Toughness-Tested Polymer Solutions for Building & Construction Materials

Scan or Click for More Information.

Learn more about Aurora Material Solutions.

Explore our full product line.

Find your sales rep.

Get solutions that keep your products ahead of weather and wear.

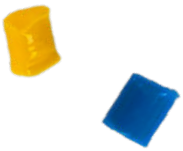
When you choose compounds from Aurora Material Solutions for your building and construction materials, you get performance that matters. From aesthetics that last to durability that overcomes hazards at every point in your product's lifecycle, our materials have a proven track record for long-term durability – both inside and out:

- **Rain and humidity:** Resist water whitening and blushing
- **Heat exposure:** Get long-term weathering stability and structural strength
- **UV exposure:** Resist fading, even on dark materials
- **Hail and other hazards:** Excellent impact resistance

Customized Compounds That Elevate Your Products

Our wide array of material solutions is just the start of the options available to your design teams. Our experts can fine tune our compounds to enhance the performance characteristics you need most, including boosting UV protection and maximizing weatherability. Our compound customization capabilities – combined with our experience working with the construction industry's leading OEMs – can get your product to the finish line faster and more efficiently.

Windows & Doors



Structural Components

Our PVC compounds incorporate advanced UV stabilizers that prevent yellowing, chalking and brittleness. They also offer exceptional processability for incredible design flexibility. Your team can create complex profile figurations with precise wall thickness control, enabling innovative designs that maximize strength – without compromising performance.

APPLICATIONS

- Frames
- Grills
- Casings
- Seals and sweeps
- Interior door panels
- Exterior door panels
- Sidelights
- Hardware

Seals & Sweeps

Today's homeowners want door seals and sweeps that won't tear or wear – even under heavy use. Our flexible PVC helps you engineer-in the pliability and abrasion resistance that sets your products apart. You get a flexible PVC that's thoroughly tested; consumers get solutions that are easy-to-install, economical and long-lasting.

Dark Colored Finishes

Say goodbye to dark-colored windows and doors that distort, bow, warp or show surface defects in the sun. Our CPVC materials can help you overcome high temperature exposure and extreme UV conditions to manufacture on-trend black window frames and doors that reliably maintain their structural integrity and aesthetic beauty. Select compounds can handle temperatures up to 212°F (100°C) without warping to maintain their structural integrity, even through seasonal temperature swings.

An Excellent Wood Alternative

Cellular foam ridged PVC produces a maintenance-free matte finish that replicates the look of painted wood. The cellular structure also means easy nailing and screwing --helping installers move from jobsite to jobsite faster.

GRADE	MATERIAL	DESCRIPTION
AuroraTec™ AP1250	RPVC	A high rate, midrange gloss, PVC powder extrusion compound for weatherable applications
AuroraShield™ ENV31	ASA	A high flow ASA capstock for weatherable applications
AuroraEcoplast™ AP2403	Composite Technology	A rigid PVC/Wood Composite pellet compound suitable for profiles requiring high stiffness, dimensional stability and renewable content for extruded structured profiles
AuroraGuard™ AP5301	CPVC	A rigid CPVC pellet extrusion compound designed for siding and profile AP5301A provides superior chemical resistance, high temperature performance, and improved weldability
AuroraShield™ AP4005	Rigid PVC/Acrylic	A PVC/Acrylic pellet compound designed for capstock applications requiring excellent weathering performance and superior processing characteristics
AuroraLite™ AP3249	Rigid Cellular PVC	A FGIA-AAMA 308 compliant cellular RPVC
AuroraEcoplast™ RPVC-23	Recycled PVC	Recycled PVC compound
AuroraFlex™ G 4267V	Flexible PVC	An extrusion profile grade compound designed for coextrusion on to rigid PVC
AuroraFlex™ EXC 1602267A	SBS and SEBS Compounds	An SEBS based thermoplastic elastomer designed for extrusion applications

Siding

Our compounds deliver the advanced protection your products need against the worst culprits: high heat exposure and punishing infrared UV rays. No warping. No worries – even with dark colored siding. In fact, our CPVC is engineered to overcome these challenges, resisting oil canning, sagging and shrinking better than any other compound on the market, even after years of use. With proven strength and co-extrusion capabilities, our compounds are also a cost-effective alternative to metals for all aspects of a siding project.

APPLICATIONS

- Lap siding
- Panel siding
- Shingle siding
- Skirting
- Foundation covers
- Battens
- Frieze
- Fascia
- Soffits

GRADE	MATERIAL	DESCRIPTION
AuroraEcoplast™ AP2403	Composite Technology	A rigid PVC/Wood Composite pellet compound suitable for profiles requiring high stiffness, dimensional stability and renewable content for extruded structured profiles
AuroraGuard™ AP2480	CPVC	A CPVC compound providing superior chemical resistance and high temperature performance
AuroraTec™ AP2348	Rigid PVC	A high rate, moderate impact PVC powder compound designed for interior applications including substrates
AuroraLite™ AP3335	Rigid Celluar PVC	A rigid PVC powder compound for the extrusion of a lower density foam
AuroraTec™ RB 5055	Rigid PVC Clear	A weatherable transparent rigid impact modified RPVC

Capstock Solutions for Siding

Add a protective outer layer to siding components with capstock solutions that enhance durability, weather resistance, color stability and aesthetic quality. Our two-part system combines the structural strength of the substrate with the superior surface properties of the capstock layer, delivering products that perform better and last longer than single-material alternatives.

GRADE	MATERIAL	DESCRIPTION
AuroraShield™ ENV31	ASA	A high flow ASA capstock for weatherable applications
AuroraTec™ AP1270	Rigid PVC	A rigid PVC powder, extrusion compound designed for applications requiring good melt strength, excellent color dispersion and excellent physical properties
AuroraShield™ AP4005	PVC/Acrylic	A PVC/Acrylic pellet compound designed for capstock applications requiring excellent weathering performance and superior processing characteristics
AuroraGuard™ AP5385	CPVC	A high melt flow capstock grade of CPVC designed for high heat performance and excellent weatherability

Fence

When a fencing product's aesthetics are as important as its strength, Aurora Material Solutions offers a variety of weather-resistant PVC compounds that bring impact strength and UV stability to your applications. Available in powder or pellet form, our materials process easily and consistently for superior color retention and overall operational efficiencies. They also help you offer fencing products that last, reducing warranty claims and delivering more satisfied customers.

APPLICATIONS

- Rails
- Pickets
- Panels
- Posts
- Post caps
- Trim boards
- Ornamental components

GRADE	MATERIAL	DESCRIPTION
AuroraTec™ AP2365	Composite Technology	A PVC powder compound with enhanced rigidity and stiffness designed for interior applications including substrates
AuroraGuard™ AP5325	CPVC	A rigid CPVC pellet extrusion compound providing superior chemical resistance, high temperature performance & excellent FR performance
AuroraTec™ AP2371	Rigid PVC	A high rigid, moderate impact PVC powder compound designed for interior applications including substrates
AuroraShield™ AP4005	Rigid PVC/Acrylic	A PVC/Acrylic pellet compound designed for capstock applications requiring excellent weathering performance and superior processing characteristics
AuroraLite™ AP3369	Rigid Cellular PVC	A rigid PVC powder compound for the extrusion of a lower density foam
AuroraEcoplast™ RPVC-23	Recycled PVC	Recycled PVC compound

Capstock Solutions for Fencing

Add a protective outer layer to fencing materials with capstock solutions that enhance durability, weather resistance, color stability and aesthetic quality. Our two-part system combines the structural strength of the substrate with the superior surface properties of the capstock layer, delivering products that perform better and last longer than single-material alternatives.

GRADE	MATERIAL	DESCRIPTION
AuroraShield™ ENV31	ASA	A high flow ASA capstock for weatherable applications
AuroraTec™ AP1270	Rigid PVC	A rigid PVC powder, extrusion compound designed for applications requiring good melt strength, excellent color dispersion and excellent physical properties
AuroraShield™ AP4005	PVC/Acrylic	A PVC/Acrylic pellet compound designed for capstock applications requiring excellent weathering performance and superior processing characteristics
AuroraGuard™ AP5385	CPVC	A high melt flow capstock grade of CPVC designed for high heat performance and excellent weatherability

Deck & Railings

Elevate your deck and railing materials with impact- and weather-resistant compounds that are proven to perform and ready for any challenge. Our lineup of advanced polymers gives you the design freedom to engineer wood-replacement products that stand up to the harshest weather and wear conditions, year after year.

APPLICATIONS

- Floorboards
- Posts
- Railing systems
- Stair treads
- Fasteners
- Fascia boards

GRADE	MATERIAL	DESCRIPTION
AuroraTec™ AP2449	Composite Technology	A PVC powder compound with enhanced rigidity and stiffness designed for substrates
AuroraGuard™ AP5199	CPVC	A rigid CPVC pellet extrusion compound designed for siding and profile, providing superior chemical resistance and high temperature performance
AuroraLite™ AP3556	Rigid Cellular FR PVC	A RPVC cellular compound with improved flame spread
AuroraTec™ AP5104	Rigid PVC	A general-purpose rigid PVC pellet, extrusion compound designed for applications requiring good melt strength, excellent color dispersion, and excellent physical properties
AuroraShield™ AP4045	Rigid PVC/Acrylic	A PVC/Acrylic pellet compound designed for capstock applications requiring excellent weathering performance and superior processing characteristics
AuroraLite™ AP3345	Rigid Cellular PVC	A RPVC cellular compound with high stiffness and low CLTE
AuroraEcoplast™ RPVC-23	Recycled PVC	Recycled PVC compound

Capstock Solutions for Deck & Railings

Add a protective outer layer with capstock solutions that enhance deck and railing durability, weather resistance, color stability and aesthetic quality. Our two-part system combines the structural strength of the substrate with the superior surface properties of the capstock layer, delivering products that perform better and last longer than single-material alternatives.

GRADE	MATERIAL	DESCRIPTION
AuroraShield™ ENV31	ASA	A high flow ASA capstock for weatherable applications
AuroraTec™ AP1270	Rigid PVC	A rigid PVC powder, extrusion compound designed for applications requiring good melt strength, excellent color dispersion and excellent physical properties
AuroraShield™ AP4005	PVC/Acrylic	A PVC/Acrylic pellet compound designed for capstock applications requiring excellent weathering performance and superior processing characteristics
AuroraGuard™ AP5385	CPVC	A high melt flow capstock grade of CPVC designed for high heat performance and excellent weatherability

Pool & Spa

Add strength and stability to hot tub or pool shells.
Develop tubes and hosing that stand up to high heat and the elements.

GRADE	MATERIAL	DESCRIPTION
AuroraTec™ AP4006	Rigid PVC	A high flow rigid PVC pellet compound designed for injection molding with high impact and good weathering properties, NSF Standard 14,61 & 50 listed
AuroraShield™ AP4045	PVC/Acrylic	A PVC/Acrylic pellet compound designed for inject molding applications requiring excellent weathering performance and superior processing characteristics
AuroraGuard™ AP4042	CPVC	A rigid CPVC pellet compound designed for injection molded fittings and various parts. AP4042 provides superior chemical resistance and high temperature performance. NSF Standard 14,61 & 50 listed

Outdoor Structures & Furniture

From pergolas to Adirondak chairs, our exceptionally strong and durable line of compounds includes rigid PVC, premium pellet capstocks and cellular foam rigid PVC.

Blinds & Shutters

Get colors that last with high-performance PVC compounds.
Our custom formulations ensure long-term color stability, impact resistance and easy maintenance, making them ideal for both interior and exterior applications.

Interior Trim

Deliver colors and quality that lasts with rigid PVC products as well as flexible polymer compounds for crown molding, baseboards, casings, wainscotting, chair rails and more.

Garage Doors

Rigid and flexible PVC compounds or cellular foam products can be used for both decorative and structural components, including garage doors panels, seals and gaskets.

WE HELP YOU MEET YOUR SUSTAINABILITY GOALS

From recycled-content materials to our closed-loop recycling program, we deliver material strength without sacrificing performance. Our EcoPlast™ recycled rigid PVC delivers best-in-class outdoor strength and performance while incorporating strategically sourced post-consumer recycled and post-industrial repurposed content.

State-of-the-Art Facilities Advance Quality & Consistency

Aurora Material Solutions has polymer compounding facilities in the U.S., located in Streetsboro, Ohio; Welcome, North Carolina; Lunenburg, Massachusetts; Pasadena, Texas; Evansville, Indiana; Louisville, Kentucky; and Marieville, Quebec, Canada.

Designed to remove all non-value-added steps in the manufacturing operations, our facilities optimize best practices and have the most current technologies. As a result, we have set the benchmark on product quality and lot-to-lot consistency in the industry.

- Industry leading tolerances on manufacturing processes
- Dedicated silos, tote bins, and all inventory is controlled through automation
- Rheology, color, and powder/pellet properties are measured several times during production
- In-house R&D laboratory including a complete analytical equipment portfolio
- Technical team is experienced, offering cutting edge technology, and providing field proven and laboratory verified compounds
- Newly built on-site UL certification testing laboratory

Streetsboro, Ohio

Welcome, North Carolina

Marieville, Québec

Lunenburg, Massachusetts

Pasadena, Texas

Evansville, Indiana

Evansville, Indiana

Louisville, Kentucky

To locate your local Aurora Material Solutions representative go to

www.auroramaterialsolutions.com/locate-sales-representative

Our plants' quality management systems are certified to ISO 9001:2015.

We continuously strive to lead the industry in quality products you can trust. For more information on products and services from Aurora Material Solutions, call us today at **330-422-0700** or visit us at **www.auroramaterialsolutions.com**.

Corporate/Technical Center Production Facility
9280 Jefferson St.
Streetsboro, OH 44241
Phone: (330) 422-0700

North Carolina Production Facility
180 Welcome Center Blvd.
Welcome, NC 27374
Phone: (336) 775-2640

Québec, Canada Production Facility
1877, Avenue Industrielle
Marieville, QC, Canada
J3M 1J5
Phone: (450) 460-4488

Lunenburg, Massachusetts Production Facility
140 Leominster-Shirley Rd.
Suite 100
Lunenburg, MA 01462
Phone: (978) 537-8261

Pasadena, Texas Production Facility
4395 Pasadena Freeway
Pasadena, TX 77503
Phone: (281) 542-5241

Evansville, Indiana Production Facility
15220 Foundation Ave.
Evansville, IN 47725
Phone: (812) 868-0808

Evansville, Indiana Production Facility
4825 North Spring Street
Evansville, IN 47711
Phone: (866) 481-7700

Louisville, Kentucky Production Facility
8331 Cane Run Road,
Louisville, Kentucky 40258
Phone: (502) 995-8585

AURORA Material Solutions™

www.auroramaterialsolutions.com

REV 07/26