

# Architectural Products



# **Beautify** **Enhance** **Preserve** **Protect**

At Advanced Polymer, Inc. we have developed a range of products that will improve the performance of your coating systems for wood, stone, brick, concrete, masonry and other hard surfaces.

Our products can:

- Repel water, oil and grease
- Impart stain and chemical resistance
- Enhance color
- Increase gloss
- Improve durability
- Promote leveling and wetting

Choose from our existing line or work with us to develop a new product to meet your specific requirements. Let us put the API Advantage to work for you.

## GREEN COATINGS INITIATIVE

Advanced Polymer Inc's Green Coatings Initiative (GCI) is dedicated to providing customers with safer, more environmentally compatible solutions, while maintaining the expected performance and cost effectiveness of specialty products. Through innovative development and manufacturing processes API's GCI aims to:



- Reduce the volatile organic content of formulations.
  - Provide customers with superior products that are derived from sustainable resources such as plants and animals.
  - Formulate coatings that do not persist or accumulate in the environment and are less toxic to organisms and the ecosystem.
  - Create a safer work environment for manufacturers and other personnel related to the production or transportation of the product.
- Establish an on going commitment to our environment and community that we will continually work to improve our products and practices.

There is no industry, government or commercial standard for what is Green and what is not Green. Each corporation is left to decide for itself how it will approach the evolving concept of Green Products. It is, therefore, the responsibility of each individual entity to define and maintain what it believes to be Green Products. At Advanced Polymer Inc. we define a Green Product as:

1. Containing no hazardous or toxic components.
2. Being derived from a renewable plant or animal source.
3. Not producing waste materials during its production or use.
4. Having no known negative impact on humans, plants or animals.

With these stringent requirements Advanced Polymer, Inc. is setting a standard for Green Products.

# Product Directory

| TYPE | NAME                | DESCRIPTION  | Features |             |                 |               |                   |                         |                             |            |                    |                           |
|------|---------------------|--|----------|-------------|-----------------|---------------|-------------------|-------------------------|-----------------------------|------------|--------------------|---------------------------|
|      |                     |  | Low VOC  | Water-based | Water Repellent | Gloss / Shine | Color Enhancement | Grease / Oil Repellency | Stain / Chemical Resistance | Durability | Wetting / Leveling | Green Coatings Initiative |
| FP   | <b>AdvaPel® 726</b> | Water reducible, short chain fluorochemical technology that will provide exceptional protection for hard surfaces with little or no change in appearance.  | X        | X           | X               |               |                   | X                       | X                           |            |                    |                           |
| FP   | <b>AdvaPel® 727</b> | Solvent based fluorochemical resin solution that will impart water & oil repellency to textiles for apparel, carpeting & upholstery. Will also impart water repellency to natural stone & other hard surfaces. Considered non-PFOA contributing. |          |             | X               |               |                   | X                       |                             |            |                    |                           |
| FP   | <b>AdvaPel® 746</b> | Waterborne, short-chain, fluorochemical emulsion designed to impart water, oil & stain repellency to hard surfaces. Considered non-PFOA contributing. Suitable for use in pump spray for consumer products.                                      |          | X           | X               |               |                   | X                       | X                           |            |                    |                           |
| FP   | <b>AdvaPel® 766</b> | Waterborne, short-chain, fluorochemical emulsion designed to impart water, oil & stain repellency to hard surfaces. Considered non-PFOA contributing. Suitable for use in pump spray for consumer products.                                      | X        | X           | X               |               |                   | X                       | X                           |            |                    |                           |
| FP   | <b>APG-1430</b>     | Waterborne fluoropolymer solution that will protect hard surfaces from water, oil, chemicals, stains and soil.   | X        | X           |                 |               |                   | X                       | X                           |            |                    |                           |
| FP   | <b>APG-658</b>      | Solvent based fluoropolymer in odorless mineral spirits that will impart superior water, oil and soil resistance to hard surfaces, textiles, upholstery and carpet.  |          |             | X               |               |                   | X                       |                             |            |                    |                           |
| FS   | <b>APFS-14</b>      | Amphoteric fluorosurfactant primarily designed to reduce the surface tension of aqueous solutions to promote leveling and wetting. In some systems, APFS-14 will also function as a foam stabilizer.   |          | X           |                 |               |                   |                         |                             |            | X                  |                           |
| FS   | <b>APFS-70S</b>     | Water-borne, nonionic, fluorinated surfactant based on short-chain fluorochemical technology. Offers exceptional stability & provides outstanding wetting & leveling properties, even on difficult to wet surfaces.                              |          | X           |                 |               |                   |                         |                             |            | X                  |                           |

**KEY TO TYPE:**

MT=Micronized Titanium Dioxide

CA=Crosslinking Aid

SCA=Silane Coupling Agent

CPO=Chlorinated Polyolefin

SE=Silicone Emulsion

FP=Fluoropolymer

SF/R=Silicone Fluid/Resin

FS=Fluorosurfactant

SPEC=Specialty Resin

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| TYPE | NAME                 | DESCRIPTION   | Features |             |                 |               |                   |                         |                             |            |                    |                           |  |
|------|----------------------|---|----------|-------------|-----------------|---------------|-------------------|-------------------------|-----------------------------|------------|--------------------|---------------------------|--|
|      |                      |   | Low VOC  | Water-based | Water Repellent | Gloss / Shine | Color Enhancement | Grease / Oil Repellency | Stain / Chemical Resistance | Durability | Wetting / Leveling | Green Coatings Initiative |  |
| FS   | <b>APFS-71S</b>      | Water-based, nonionic, short-chain, fluorosurfactant designed to enhance leveling and wetting in waterborne systems.              |          | X           |                 |               |                   |                         |                             |            |                    | X                         |  |
| SCA  | <b>AP-SILANE 31</b>  | Amino-functional silane coupling agent. Water soluble. Compatible with epoxy, phenolic, melamine and furan resins.                |          |             |                 |               |                   |                         |                             |            |                    | X                         |  |
| SCA  | <b>AP-SILANE 33W</b> | Waterborne amino silane coupling agent that can be used to improve adhesion between organic coatings and inorganic substrates.    |          | X           |                 |               |                   |                         |                             |            |                    | X                         |  |
| SCA  | <b>AP-SILANE 90</b>  | Trimethoxymethylsilane coupling agent that will impart a high degree of hydrophobicity to treated surfaces.                       |          |             |                 | X             |                   |                         |                             |            |                    |                           |  |
| SE   | <b>AP-0280</b>       | Waterborne self-curable reactive silicone copolymer emulsion that imparts excellent water repellency on architectural substrates. | X        | X           | X               | X             |                   |                         |                             |            |                    |                           |  |
| SE   | <b>AP-0282</b>       | Self-emulsifiable, reactive, elastomeric silicone that will impart water repellency to porous and semi-porous surfaces.           |          | X           | X               |               |                   |                         | X                           |            |                    |                           |  |

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|------|-------------------|--|----------|-------------|-----------------|---------------|-------------------|-------------------------|-----------------------------|------------|--------------------|---------------------------|
|      |                   |  | Low VOC  | Water-based | Water Repellent | Gloss / Shine | Color Enhancement | Grease / Oil Repellency | Stain / Chemical Resistance | Durability | Wetting / Leveling | Green Coatings Initiative |
| SE   | <b>APS-337G</b>   | Waterborne, silicone microemulsion that will provide excellent color enhancement on stone and masonry substrates.  | X        | X           | X               |               | X                 |                         |                             |            |                    |                           |
| SE   | <b>APS-ME142D</b> | Waterborne silicone resin/silane microemulsion that impart water repellency to hard surfaces. Small particle = superior penetration without changing the appearance of the treated surface.                  | X        | X           | X               |               |                   |                         |                             |            |                    |                           |
| SE   | <b>APS-ME143</b>  | Waterborne silicone resin/silane/fluorochemical microemulsion that imparts water repellency & stain resistance to hard surfaces. Small particle = superior penetration with no change in surface appearance. | X        | X           | X               |               |                   |                         |                             |            |                    |                           |
| SF/R | <b>API-ST-319</b> | Silicone resin solution that provides excellent water repellency for polymeric stucco, concrete and other masonry surfaces.  |          |             | X               |               |                   |                         |                             | X          |                    |                           |
| SF/R | <b>APS-222</b>    | Concentrated, self-curable, reactive silicone copolymer that imparts excellent water repellency on masonry surfaces.   |          |             | X               |               |                   |                         |                             |            |                    |                           |
| SF/R | <b>APS-289A</b>   | Silicone resin solution that will produce a VOC compliant, color enhancing, sealer for natural stone and masonry surfaces.   | X        |             | X               |               | X                 | X                       | X                           |            |                    |                           |
| SF/R | <b>APS-294N</b>   | Solvent reducible, reactive, alkoxy functional, moisture cure polysiloxane that will impart gloss, color enhancement and chemical resistance to variety of surfaces.   |          |             |                 | X             | X                 | X                       | X                           |            |                    |                           |
| SF/R | <b>APS-328</b>    | Reactive, amino-modified silicone fluid that will impart outstanding water repellency in architectural finishes; or abrasion resistance, soft hand & water repellency in textile and leather coatings.       |          |             | X               | X             |                   |                         |                             |            |                    |                           |

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|------|-----------|--|----------|-------------|-----------------|---------------|-------------------|-------------------------|-----------------------------|------------|--------------------|---------------------------|--|
|      |           |  | Low VOC  | Water-based | Water Repellent | Gloss / Shine | Color Enhancement | Grease / Oil Repellency | Stain / Chemical Resistance | Durability | Wetting / Leveling | Green Coatings Initiative |  |
| SPEC | API-121MS | Solvent reducible resin solution designed to brighten and add depth of color to masonry substrates.  |          |             | X               |               | X                 |                         |                             |            |                    |                           |  |
| SPEC | API-139RF | Ready to use cleaner and protectant for both interior and exterior application on natural stone, tile and grout.                                       |          | X           | X               |               |                   | X                       | X                           | X          |                    |                           |  |
| SPEC | API-155ES | Waterborne, solvent free, emulsion that will enhance the color of, and impart water and stain repellency to, stone, concrete & other masonry surfaces. | X        | X           | X               |               | X                 |                         | X                           |            |                    |                           |  |
| SPEC | API-188   | Nonionic emulsion of polyethylene resin that will increase abrasion resistance, strength and durability in a wide range of coatings and finishes.      |          | X           |                 |               |                   |                         |                             |            | X                  |                           |  |
| SPEC | API-221F  | One component, water based polymer/oligomer system designed to protect wood composite decking against stains and chemicals.                            |          | X           | X               |               |                   | X                       | X                           |            |                    |                           |  |
| SPEC | API-278C  | Water-based stain blocking polish for concrete. Will impart a durable, glossy, stain resistant finish.   |          | X           | X               | X             |                   | X                       | X                           | X          |                    |                           |  |
| SPEC | API-279   | Waterborne resin system with excellent early water blush resistance and outstanding resistance to grease, oil, stains and chemicals.                   | X        | X           | X               | X             |                   | X                       | X                           | X          |                    |                           |  |
| SPEC | API-295E  | Low VOC, film-forming emulsion that imparts water, oil, solvent and food stain resistance to hard surfaces.  | X        | X           | X               | X             |                   | X                       | X                           | X          |                    |                           |  |

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|------|-----------------------|---|----------|-------------|-----------------|---------------|-------------------|-------------------------|-----------------------------|------------|--------------------|---------------------------|--|---|
|      |                       |   | Low VOC  | Water-based | Water Repellent | Gloss / Shine | Color Enhancement | Grease / Oil Repellency | Stain / Chemical Resistance | Durability | Wetting / Leveling | Green Coatings Initiative |  |   |
| SPEC | <b>API-GREEN 2001</b> | Waterborne, medium gloss, hard surface sealer and joint sand stabilizer. >85% raw materials derived from renewable resources.   | X        | X           | X               | X             | X                 |                         |                             |            |                    |                           |  | X |
| SPEC | <b>API-GREEN 2008</b> | Waterborne, non-glossy, color enhancer for hard surfaces. >95% raw materials derived from renewable resources.  | X        | X           | X               |               | X                 |                         |                             |            |                    |                           |  | X |
| SPEC | <b>API-GREEN 2011</b> | Waterborne, glossy, color enhancer for hard surfaces. >75% raw materials derived from renewable resources.  | X        | X           | X               | X             | X                 |                         |                             |            |                    |                           |  | X |
| SPEC | <b>API-WP30</b>       | Low VOC, hydrophobic, non-silicone waterborne emulsion designed to impart water repellency and water beading to wood surfaces.  | X        | X           | X               |               |                   |                         |                             |            |                    |                           |  |   |
| SPEC | <b>API-WP40</b>       | Waterborne, low VOC, hydrophobic emulsion that will impart excellent water repellency to both wood and masonry surfaces.  | X        | X           | X               |               |                   |                         |                             |            |                    |                           |  |   |
| SPEC | <b>APW-100</b>        | Waterborne wax additive that increases water beading for water repellent products. APW-100 can produce a Lotus leaf like water beading effect.  | X        | X           | X               |               |                   |                         |                             |            |                    |                           |  |   |
| SPEC | <b>APW-319</b>        | Very low turbidity, cationic microemulsion of pure carnauba wax that provides a durable finish, excellent gloss & slip, and resistance to marring & dirt pick-up. Can be used on fabric, leather, wood, metal & painted surfaces. |          | X           |                 | X             |                   |                         |                             |            | X                  |                           |  |   |

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**TOP PICKS FOR  
WATER REPELLENCY**

**API-WP40  
APS-ME142D APW-100  
APS-222**

**TOP PICKS FOR  
COLOR ENHANCEMENT**

**API-155ES  
API-GREEN 2008  
APS-289A  
APS-337G**

**TOP PICKS  
FOR HIGH GLOSS**

**API-278C  
API-279 API-295E  
API-GREEN 2011  
APS-294N**

**TOP PICKS FOR  
STAIN RESISTANCE**

**APG-1430  
API-278C API-279  
APW-100**

**For more information or help with  
product selection:  
[technical@advpolymer.com](mailto:technical@advpolymer.com)**



400 Paterson Plank RD | Carlstadt, NJ 07072

Main: 201-933-0600 | FAX:201-964-8442

[www.advpolymer.com](http://www.advpolymer.com)


*Let us put the API advantage to work for you!*

## Advanced Solutions

Advanced Polymer, Inc. has been a respected provider of a variety of technically innovative specialty chemicals for almost 40 years. We combine a wealth of experience with our R&D resources, and the responsiveness of our technical and customer services, to support our customers. We work closely with our customers to develop environmentally compliant products for a variety of applications across a range of industries .

You may also be interested in products for:

- Auto and Marine Care
- Lubricants
- Paints, Inks and Specialty Coatings
- Paper and Film
- Textiles and Leather Care
- Fluorosurfactants

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