

Discover the U.S. Navy's Secret Weapon Against Slips.

(And fight America's #1 workplace killer!)



American Safety Technologies Anti-Slip Coatings

About ITW and its family of companies

Illinois Tool Works (ITW) is a Fortune 200 company headquartered in Glenview, IL. We design and produce a wide array of highly engineered fasteners, components, equipment, consumable systems and specialty products for customers around the world. A leading diversified manufacturing company with more than 90 years of history, ITW's nearly 825 decentralized business units in 52 countries employ approximately 60,000 men and women who are focused on crafting value-added products and innovative customer solutions. A core operating principle of ITW is the 80/20 philosophy that allows our people to focus on key products and customers while simplifying operations and improving customer satisfaction. The underlying goals driving all ITW businesses are to create value and improve operating efficiencies for every one of our customers.



ITW Polymer Technologies is a grouping of ITW business units that focus on providing solutions to customers who use polymer materials. Six decades of research and experience in various fields provide us with the resources to remain on the leading edge of technology. We continually strive to create innovative, proven solutions to difficult problems. Included in this group are such well known companies as:

ITW utilizes a shared manufacturing facility in Shannon, Ireland, to offer closer support for our European and Asian markets. This provides better customer service and distribution while decreasing customer lead time for our full range of products.

ITW Shannon

Shannon Free Airport, County Clare, Ireland
Telephone: 353.61.471299 • Fax: 353.61.471285
www.philadelphiaresins.com



ITW American Safety Technologies is the worldwide leader in the manufacture of anti-slip floor and deck systems for marine and industrial applications. We also produce a complete line of electrical encapsulants under the Insulcast name.



ITW American Safety Technologies

565 Eagle Rock Avenue, Roseland, NJ
Telephone: 800-631-7841 • Fax: 215.855.4688
www.astantislip.com

ITW Polymer Castings engineers and produces precast machinery bases for the industrial market. Using polymer technology developed within the group in conjunction with proprietary manufacturing processes, we are the leading manufacturer of these products in North America.



ITW Polymer Castings

11766 Ravenna Road, Chardon, OH 44024-7005
Telephone: 440.286.9714 • Fax: 440.286.9835
www.zanite.com

ITW POLYMER TECHNOLOGIES

Anti-Slip Coatings



ITW Philadelphia Resins, Montgomeryville, PA, is a leading supplier of polymer grouts, coatings, adhesives and repair compounds to industrial, marine and commercial markets. Brand names include Chockfast, Escoweld, Impax, and Phillyclad.



Products are produced in our ISO 9001:2000 facilities in Montgomeryville, U.S.A. and Shannon, Ireland; our



products and expertise are available in over 35 countries around the world through our network of product distributors.

As a business unit of Illinois Tool Works (ITW), our operations are supported by the ITW Technology Center in Glenview, IL, U.S.A. This technical center assists in providing engineering ideas and solutions for worldwide markets. Combined with our own specialized staff at our Montgomeryville headquarters, we offer unique solutions to your application problems.



ITW Philadelphia Resins

130 Commerce Drive, Montgomeryville, PA
Telephone: 215.855.8450 • Fax: 215.855.4688
www.philadelphiresins.com

DISTRIBUTOR LOCATIONS

ARGENTINA

AUSTRALIA

AUSTRIA

BELGIUM n BRAZIL

CANADA

CHILE n CHINA

DENMARK

EGYPT

ENGLAND n FINLAND

FRANCE

GERMANY

HOLLAND

INDONESIA

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NORWAY

OMAN n PERU

PHILIPPINES

POLAND

QATAR

SAUDI ARABIA

SINGAPORE

SOUTH AFRICA

SOUTH KOREA

SPAIN

SWEDEN

SWITZERLAND

SYRIA

TAIWAN

THAILAND

U.A.E.

UNITED STATES

VENEZUELA

VIETNAM

WEST INDIES

Can you spot the ten million dollar concussion in this x-ray?

Every personal injury lawyer in America can!

Slips and falls are the Number One workplace killer and cause of disabling injury in the workplace. With contaminants like chemicals,



water, food scraps, rain or snow, it's only a matter of time until somebody slips and falls. If someone slips and falls in your facility you're going to get the call, and you're going to pay. Protect

yourself and your coworkers with American Safety Technologies' proven anti-slip solutions.



Costs the same as paint, lasts five times longer.

Sand thrown into ordinary floor paint has been the most common treatment against slips and falls, but the protection is short lived. The sand crystals soon begin to break off and lay on top of the surface, exposing you to further slip and fall danger. Continually replacing these worn sand-in-paint surfaces is a hassle and expensive. As any plant manager can tell you, the expense of the prep work far exceeds the cost of the product. Not to mention the several days of down-time you'll suffer during application, after application, after application.



AST Anti-Slip Coatings can change all that. They last over 5 times longer than sand-in-paint and other broadcast systems, even when subjected to the most punishing environments. And five times more durability means five times fewer applications, downtime, and expense, as well as five times fewer headaches for you.

How much does this ease and durability cost you? Probably not a penny more than what you're currently paying. At only \$2 to \$3/sq. ft., AST Anti-Slip Coatings cost the same as ordinary industrial floor paints.

SAND-IN-PAINT

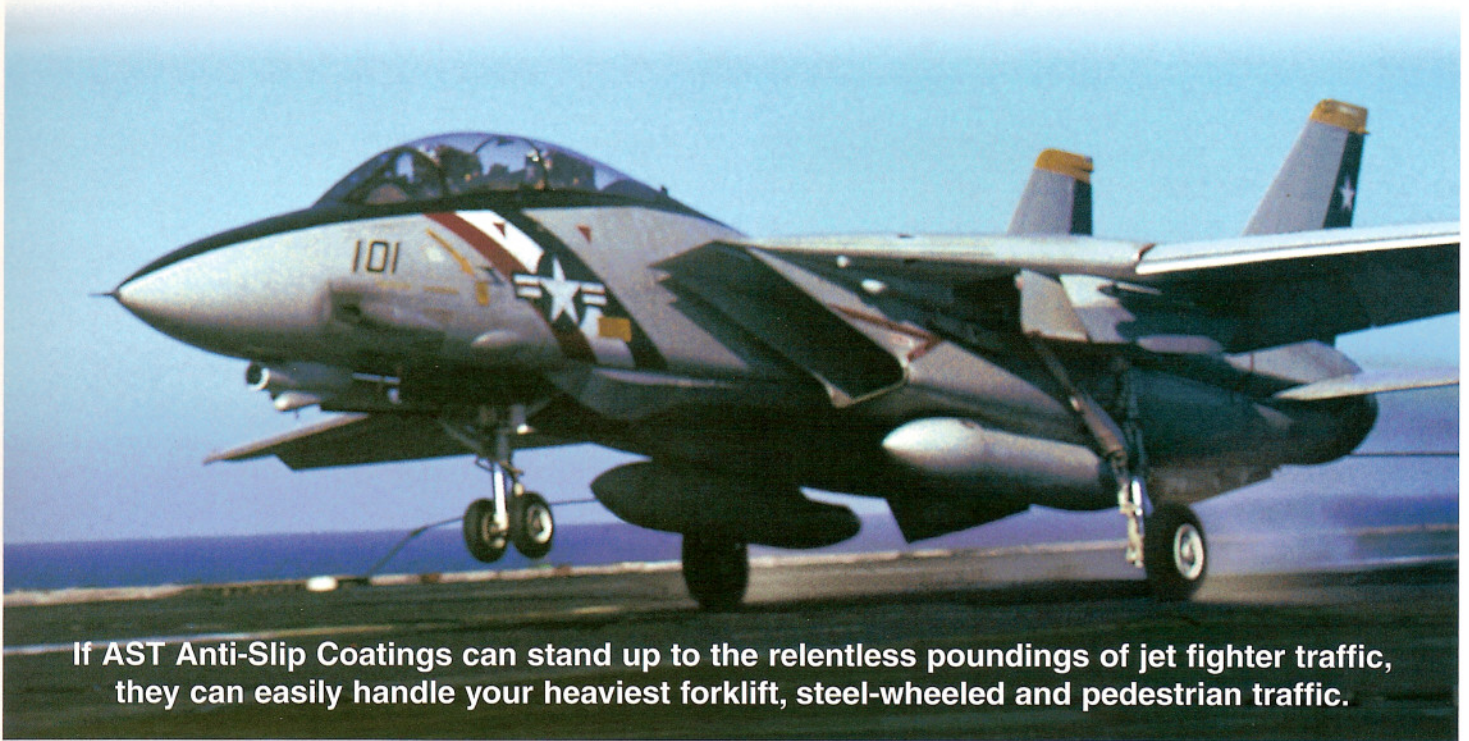
- Not recommended for heavy traffic areas.
- Weak impact and chemical resistance.
- Low profile friction surface leads to hydroplaning.
- Unreliable, short-term fix — Lasts 6 to 9 months.
- \$2-\$3 per square foot

AST ANTI-SLIP COATINGS

- Engineered to withstand heavy traffic from forklifts, steel-wheeled vehicles and pedestrians.
- Extreme impact and chemical resistance.
- Aggressive profile friction surface provides high traction.
- Long-term solution to slips lasts 5X longer.
- \$2-\$3 per square foot. The same cost as ordinary industrial paints.

ITW POLYMER TECHNOLOGIES

Anti-Slip Coatings



If AST Anti-Slip Coatings can stand up to the relentless poundings of jet fighter traffic, they can easily handle your heaviest forklift, steel-wheeled and pedestrian traffic.

Battle tested tough. AST Anti-Slip Coatings were first developed for military use on the decks of America's aircraft carriers. They've kept U.S. Navy personnel and equipment safe from slips, falls and skids under the most extreme conditions imaginable for over 40 years. In what the military terms a "controlled crash," our coatings are tested and certified to withstand over 15,000 high-impact landings from a 60,000 pound jet fighter, dragging a steel tailhook across the deck at over 170 mph. In addition to this relentless beating, AST Anti-Slip Coatings were designed to handle some of the most corrosive substances in the world including jet fuel, Skydrol hydraulic fluid, grease, oil and salt spray. If AST Anti-Slip Coatings can stand up to that type of brutal punishment, they can easily handle the heaviest forklift, steel-wheeled, and pedestrian traffic you can imagine.

Bottom line, AST Anti-Slip Coating technology was developed, tested and certified for the U.S. Navy. By adopting the military's secret weapon

against slips and falls in your plant, you can enjoy 5 times better protection from slips and falls with 5 times fewer applications than plain old sand-in-paint. Last but not least, you don't need an appropriation from congress to afford it—AST's extraordinary level of protection costs the same as ordinary industrial floor paints.

Exceeds OSHA, USDA, and ADA standards.

AST Anti-Slip Coatings exceed the strictest USDA, OSHA, and ADA specifications. They have also passed ASTM tests including:

- Frick-Taber long-term wear test for durability.
- Impact resistance from falling objects.
- Coefficient of Friction in wet and dry environments.
- Washability and easy clean-up.

Every batch of AST Anti-Slip Coating is tested before shipment at our military certified plant to ensure the highest level of quality control.

Tough customers call for tough solutions.

NASA's Engineers Get an Engineered Solution. NASA's Vehicle Assembly Building is the immense "clean room" where the space shuttle is built. Obviously, sand-in-paint wouldn't meet NASA's high-tech standards. In fact, NASA's requirements for the anti-slip coating to cover the Vehicle Assembly Building's galvanized steel floors and walkways were so stringent and state-of-the-art that the right coating did not exist—until we created it. Everyone agrees it's out of this world.



NASA

slipping and falling in fish entrails isn't one of the highlights of the job. That's why AST's Anti-Slip Coatings are number one among North American fisheries. We can't do anything about the smell, but we can keep employees from drowning in fish.

Wet Cement and Wild Kids. Every day at a well-known water park, thousands of excited, screaming children run



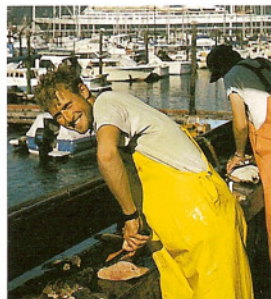
around barefoot on wet cement. The potential for a liability disaster makes lawyers almost as excited as the kids. That's why the park uses our anti-slip coatings around the pool and water slide areas. They're better than liability insurance!



A Ten-Story Fall and You're Shark Bait. One false step on an oil-drilling platform can lead to a 10-story plunge into the ocean. That's why employees get combat pay to work on a platform. The wet metal gang-

planks and ladders are precarious even when not sprayed with salt water, oil and lubricants. But when they're covered with our anti-slip coatings, suddenly everything's a lot safer. That's why the big offshore oil rigs depend on AST to keep them on their feet.

The Slipperiest Place on Earth. There may be no other place in the world you'll find as slippery as a fish processing plant. Workers have to shovel through waist-deep fish slime and guts in chest waders. Of course,



VOC's and Wine Don't Mix. Napa Valley's famous wines are aged in huge, wooden casks in climate-controlled cellars. High humidity is required to keep the casks from drying and cracking—and to prevent the wines from evaporating and pre-

maturely aging. Unfortunately, several wineries' forklift trucks kept slipping and sliding on the wet floors while transporting the casks. So they called us for an extremely tough, anti-slip coating that would hold up to heavy forklift traffic, yet give off no fumes. Since the casks breathe, any odors from the room would adversely affect wine flavor. Fortunately, AST's Anti-Slip Coatings can withstand the harshest treatment—even in a zero-VOC formulation. Now Napa Valley only has to worry about moisture in the vineyards, not the cellars.

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For the U.S. Postal Service, We Deliver.

When Grumman Allied won the contract to supply the U.S. Postal Service with almost 100,000

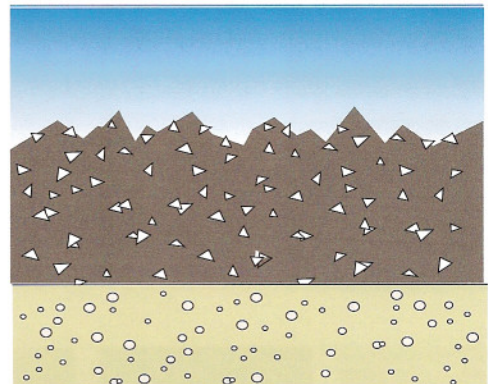
Long Life Vehicles, they called us. They needed an anti-slip coating for the cargo area of the trucks that would match the incredible durability of their vehicles. They also needed a coating that could be applied quickly and easily during their fast production process. Unfortunately, the perfect coating did not exist. But since Grumman makes the F-14 Tomcats that smash into our incredibly tough anti-slip coatings on Navy aircraft carriers, they were confident that we could invent the anti-slip coating they needed. And we did. It will be on every new postal truck you'll see for years to come.

The Navy Calls it a "Controlled Crash." The F-14 Tomcats that smash onto the surface of US Navy aircraft carriers in what is called a "controlled crash," are ruthless on the flight deck's coating. They weigh over 30 tons and slam onto the surface at 170 mph. The exhaust from their after-burners reaches 1,800° Fahrenheit during catapult takeoffs. The most corrosive substances in the world spray onto the deck: jet fuel,



Skydrol hydraulic fluid, grease, oil, and salt spray. It also has to withstand ultraviolet rays, terrible storms, extreme heat and cold, and the shock and abrasion of a jet smashing into a tailhook landing. The Navy can't settle for second best. That's why they use AST Anti-Slip Coatings.

Engineered solution. Our anti-slip coatings are engineered to provide a unique profile of peaks and valleys when applied with our special phenolic core roller. Liquids and other contaminants flow into the valleys leaving the high-traction peaks exposed, negating any hydroplaning effect. If the peaks ever begin to wear away, they expose fresh grit in the valleys for excellent slip-resistance for years, or even decades, to come.



Specialized solutions for specialized problems. As the leading technologist in the industry, AST is constantly innovating to meet our customers' unique needs. Our highly specialized products range from heavy-duty, Kevlar™-based, two-component, zero-VOC

formulations engineered for maximum impact and chemical resistance to easy-to-use, single-component, pedestrian traffic formulations that you can apply straight out of the can. We can even create custom mixes or colors. AST has the solutions you need, let us help.

Tough anti-slip coatings for wherever you need protection.



AS-75

This single-component, low-VOC, elastomeric acrylic polymer is specially formulated for pedestrian traffic and is uniquely compatible with asphalt. It yields a sealed and weather-resistant anti-slip surface and can be applied over damp areas. Clean-up is fast and easy, since it's water-based. Use it on asphalt, primed steel, concrete or wood—walkways, ramps, platforms—anywhere you need a durable, anti-slip surface for walking. Available in gray, black, tile red, safety yellow and tint bases.



AS-150
LOW VOC

Because of its single-component formulation you can use this epoxy straight out of the can as needed and then reseal for future use. Able to withstand heavy pedestrian and light rolling traffic, fire, gasoline, oil, salt water, acid, alkali and aliphatic solvents—and is great for floors, ramps, decks, entrances, step bumpers, treads, machine shops and manufacturing facilities. Available in gray, black, tile red, safety yellow and tint bases.



AS-175

This two-component, low-VOC, waterborne epoxy with moderate grit is self-sealing and specially formulated for wet areas. It's easy to clean and chemical-resistant—perfect for barefoot and recreational traffic areas such as pools, locker rooms, showers, pleasure boats, docks, marinas, laundries, walkways and decks. Its high rate of coverage makes it an economical choice. Available in light gray, black, beige, tile red, safety yellow and tint bases.



AS-250

This heavy-duty, two-component epoxy is formulated for maximum durability under heavy vehicular traffic. It's resistant to fire, acid, alkali, solvent, grease, oil, salt water, detergent, alcohol, gasoline, hydraulic fluid, and weather. This makes it ideal for ramps, walkways, forklift traffic, loading docks, ships, stadiums, garages—wherever you need an extremely tough and tenacious anti-slip surface. Available in gray, black, tile red, and safety yellow.



AS-550

This extra heavy-duty, highly chemical-resistant, two-component, high-solids, low-VOC epoxy is formulated for extreme wear. There's nothing tougher, yet its sealed, non-porous surface makes it very easy to clean. It's the answer for fuel handling depots, transit systems, maintenance plants, factories, commercial fishing operations, chemical and printing plants—any place that receives the harshest wear and tear. Available in gray, black, tile red, and safety yellow.



AS-2500

This extra heavy-duty, chemically-resistant, two-component, 100%-solids, zero-VOC, low-odor epoxy has the same incredible strength as our AS-550. But its zero-VOC formula makes it perfect for indoor use in food processing and preparation areas, meat packing and poultry operations, breweries, wineries, bakeries, bottling plants and hospitals or any confined, low-ventilation or spark-sensitive area. Available in gray, black, tile red, and safety yellow. Also available in fast drying rapid cure.



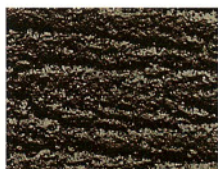
Beige*



Gray



Tile Red



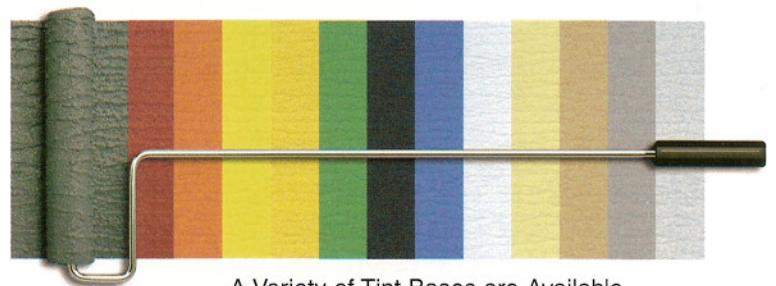
Black



Safety Yellow



Light Gray*



A Variety of Tint Bases are Available for AS-75, AS-150 and AS-175

*Available in AS-175 only.

Which Anti-Slip Product is the Right One for You?



One-Component
Pedestrian Quick
Drying



One-Component
Heavy Pedestrian
Light Rolling Traffic



Barefoot
Recreational Low-
Profile



Heavy Vehicular
Two-Component



Chemical Resistant
Xtra Heavy Duty
Easy Cleaning



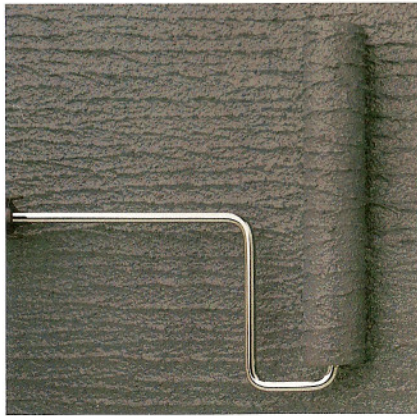
Xtra Heavy Duty
Zero-VOC's No
Odor



**Glow in the dark
anti-slip coatings**
for wherever
Darkness Threatens

Anti-slip coatings for Pedestrian,
Recreational and Light Rolling Traffic

Heavy-duty anti-slip coatings for
Heavy Vehicular or Pedestrian Traffic
with Maximum Resistance to Chemicals



Prove it with a test patch.

Call today and we will put you in touch with your local AST distributor. They can apply a test patch in your facility that will prove beyond a doubt that AST Anti-Slip Coatings will stand up to

anything your plant can dish out. Your coatings professional can also provide an expert floor or concrete analysis, help you place an order, or answer any questions you may have.

*Find out for yourself how tough and durable
AST Anti-Slip Coatings really are.*



Vehicular Traffic



Platforms



Beds & Step
Bumpers



Public Facilities



Around
Machinery

To Stop Slip-Ups From Sinking Your Business.

**Arnold Porter
Porter Company (For Installation)
3702 South Vancouver Street
Kennewick, WA 99337
(509) 947-9875**

American Safety Technologies,
130 Commerce Drive, Montgomeryville, PA 18936

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