

## HISTORY OF CITADEL®

Citadel®, a leading manufacturer of Polyurea floor coatings, evolved over 40 years from a mid-size installation company into the leader in 1 Day Polyurea floor applications. We began with foundation and horizontal pre-cast waterproofing, concrete restoration and polishing, as well as steel and bridge deck coatings. Our focus later shifted to engineering Advanced Polyurea floor coatings.

Our manufacturing division has been developing and applying Polyurea coatings for over 25 years on a large variety of substrates. Citadel® is widely known for manufacturing and installing Polyurea floor coatings everywhere from residential garages, to commercial kitchens, to warehouse facilities. The collective practice gives Citadel® over 65 years of experience in the coating industry.



## WHAT IS POLYUREA

Polyurea is the latest advancement in coating technology, providing the best of all worlds. Its extreme durability makes it 20x stronger than epoxy. It's chemically resistant to salt, oil, gas and other harsh chemicals. It's 98% more flexible than epoxy, allowing for natural concrete movement—Polyurea won't crack or peel.

Polyurea has been utilized for over 25 years in industrial applications such as pipe/pipeline coatings, tank linings, water treatment plants, manholes, sewer linings, and automotive fascia OEM molded parts. In fact, if you are familiar with spray-on pickup truck bed liners, you are familiar with Polyurea. Fast cure times, flexibility and abrasion-resistance are all inherent properties of Polyurea, making it a natural choice for the high demands on any floor.

**ECO**  
**SAFE**

## SUSTAINABILITY

Citadel® has created some of the most eco-friendly polyurea coatings on the market. The majority of the Citadel® products will contribute to credit to the LEED Green Building Rating System in accordance with the LEED-NC Version 2.2 for new construction and major renovations. These efforts make them the ideal solution for minimizing your impact on the environment.



## RESEARCH AND DEVELOPMENT

Thanks to our almost complete focus on research and development, we are able to create the latest innovations in polyurea floor coatings with our constant and passionate research we stand at the cutting edge of new floor coatings technology. Our operations around the world are able to draw on the latest trends in floor coatings.



## SINGLE COMPONENT POLYUREA



Citadel® has always passionately led the floor coating industry with their innovative Polyurea coatings. Now, after years of tireless R&D, Citadel® is proud to bring you their new, industry-redefining Single Component Polyurea Solutions.

Single Component Polyurea—no mixing, no measuring, no waste, easy to apply; and as a “single component”, it only needs inventory space for a single item. Its chemical and abrasion resistance, along with its incredible adhesion, are rated at more than 20 times stronger than any Epoxy product on the market, making it one of the toughest coatings on the planet, even surpassing our Polyaspartic Polyureas.

The virtually unlimited pot life of Single Component Polyurea allows for work at any pace, but cures quickly when applied, allowing a mere 24 hour return to service. Whether its 0°F or 120°F Citadel's® Single Component products will get the job done. Its ultra low VOCs and UV stability make it a great choice for both indoor and outdoor applications, especially when minimal to no odor is a must.



With a fraction of the cure time, reduced inventory space, incredible strength and minimal impact on the environment, Citadel's® Single Component Polyurea is the future of floor coatings.



## MEDICI® POLYUREA COLOUR COATING SYSTEM

With the Medici® Polyurea Colour Coating System you can create a wide variety of decorative finishes that will outlast any other acrylic or acid stain system currently available. The virtually unlimited pot-life of the material allows plenty of time to create the desired look. With endless color combinations available, it's truly unlimited in its design and artistic finish. The high solids content and excellent abrasion resistance of the Polyurea-1 HD™ make it the optimal choice for all applications.



## SINGLE COMPONENT POLYUREA-1 HD™ (HIGH DEFINITION)

Polyurea-1 HD™ is the workhorse of the Single Component Aliphatic Polyurea family. This optically clear high gloss finish is the core of the Medici® System can be used as a high performance 100% UV stable top coat for every system produced by Citadel®. Its 100% UV stability and ultra low VOCs (combined with the unsurpassed durability of all single component Polyurea Solutions) make it perfect for both indoors and out. The virtually unlimited pot life allows you to work at any pace. The product is self-leveling meaning no roller lines. Available in a matt or high gloss finish. Uses include but aren't limited to:

- Restaurants
- Patios
- Gymnasiums
- Basements
- Driveways
- Hangars
- Garages



Medici® Dualie  
Roller™ Package

## SINGLE COMPONENT POLY100-SC™

Poly100-SC™ is a Single Component Polyurea primer body coat that's perfect for both solid color and broadcast systems. As a 100% solids primer, it has zero VOCs, making it the ideal solution for minimizing odor and environmental impact. Its virtually unlimited pot life allows for work at any pace, but cures quickly when applied, allowing a mere 4-8 hours walk on time and 24 hour return to service. No mixing, no measuring, no waste, no hassle.

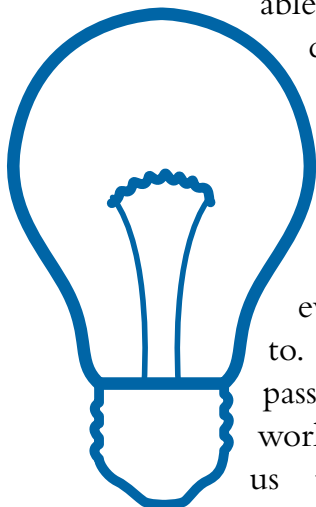
Solutions:

- Restaurants
- Bathrooms
- Freezers
- Warehouses
- Salons
- Hangars



# CITADEL® PRODUCTS

Citadel® has always passionately led the floor coating industry with their innovative Polyurea technologies. Thanks to our almost complete focus on research and development, we're able to create floor coatings with lower VOCs and more adjustable cure rates than anything our competitors can even come close to. Our constant and passionate research worldwide brings us to the cutting edge of floor coatings technology. The majority of Citadel's® products are USDA and FDA approved and will qualify for LEED projects. See website for more details.



Citadel® has created some of the most eco-friendly polyurea coatings on the market.

## POLY100-SC™

Poly100-SC™ clear is a Single Component Polyurea primer coat that is used to seal concrete and provide an anchor for overlying systems such as the Medici® Polyurea Colour Coating System. As a 100% solids primer, it has zero VOCs, making it the ideal solution for minimizing odor and environmental impact. Its virtually unlimited pot life allows for work at any pace, but cures quickly when applied, allowing a mere 24 hour return to service. No mixing, no measuring, no waste, no hassle.



## ULTRA-HYDRO STOP™

Ultra-Hydro Stop Primer™ is a two component, 100% solids, moisture vapor transmission (MVT) blocking and pH resistant epoxy primer. Used to remedy concrete floors with high moisture readings (up to 25lbs/1000 sq ft/24 hours) before applying the finish coatings, Ultra-Hydro Stop Primer has excellent self-leveling properties, making it a great choice for floors with minor pitting, spalling, and other blemishes.



**POLYUREA-1 HD™**

Polyurea-1 HD™ is the workhorse of the Single Component Aliphatic Polyurea family. This optically clear high gloss finish is the core of the Medici® System as well as every topcoat produced by Citadel®. Its 100% UV stability and ultra low VOCs (combined with the unsurpassed durability of all single component polyurea solutions) make it perfect for both indoors and out. The virtually unlimited pot life allows you to work at any pace. The product is self-leveling meaning no roller lines. Available in a matt or high gloss finish.



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**POLYUREA 350™**

**POLYUREA 350/  
TRAFFIC COAT**

Polyurea-350™ is a two-component, 98% solids Polyurea primer/basecoat. Due to its proprietary blend of resins, Polyurea-350 allows installers to “wet-out” large areas, including vertical surfaces, before broadcasting decorative aggregates such as quartz, vinyl chips, or flint. This longer “open time” results in perfect broadcasts every time, eliminating problems with light coverage, inconsistencies, or blemishes. Citadel's® Adjustable Cure Rate Technology™ allows the installer to customize the workability and cure times of this material for use in any climate.



**POLYUREA-1 HD™**

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**PG-100™**

PG-100 is a two-component, 100% solids, VOC Free, Aliphatic Polyaspartic Polyurea that was developed for UV stable floor topcoats, marine applications, chemical resistance and corrosion control. This coating provides reliable performance in a wide range of temperatures and climate conditions. Its 100% UV stability makes it an excellent choice for both interior and exterior applications.



**RG 80™**

RG-80 is a two-component, 80% solids, VOC Compliant, Aliphatic Polyaspartic Polyurea developed for UV stable floor topcoats, marine applications, chemical resistance and corrosion control. This coating provides reliable performance in a wide range of temperatures and climate conditions. Its 100% UV stability makes it an excellent choice for both interior and exterior applications.



## NON-SLIP™

We offer a wide variety of Non-Slip™ aggregates to increase the Co-efficiency of Friction (COF). We offer our Non-Slip™ aggregate from 240 grit to 40 grit, so no matter the spec we can achieve the right amount of COF with our Non-Slip™ additives.



ECO SAFE



## ANTI MICROBIAL™

Citadel® is the first polyurea floor coatings manufacture to add Anti-Microbial additives at the time of manufacture. Anti-Microbial is a silver ion technology which reduces bacteria, mold and fungi, helping to prevent the risk of cross contamination and is ideal for any hygienic environment. Being incorporated at the time of manufacture, it provides continuous protection and will not leach from the surface or be wiped off or washed away, providing a lifetime protection for the floor.

ECO SAFE



## UNIVERSAL/MEDICI® TINT™

### COLOR TINTS

We offer our customers a tint that can be used in ALL our coatings, which makes an install a breeze. The Universal Tint not only tints the product but also increases the coatings chemical and abrasion resistance, making the coating that much more indestructible.



ECO SAFE



**FAST PATCH™**

**RockSolid Fast Patch™ Kit**

Repair cracks, spalls and minor damage to concrete surfaces without waiting for the repairs to cure. Zero VOCs, easy to mix 1:1 ratio, with no special equipment required. Perform the repairs and apply the coating in minutes, not hours. Available in one or two quart kits.



**POLYFLEX-93™**

Polyflex-93™ is a two component, 100% solids, VOC Compliant, self-leveling flexible control and expansion joint filler. It cures rapidly and consistently at temperatures ranging from 0° to 120°F. With a tack-free time of less than 5 minutes, it reduces downtime and allows vehicle or foot traffic in one hour. Excellent elastomeric properties make it flexible while its bond to the concrete's joints leads to long lasting performance. Polyflex-93™ is easily coated over using a wide variety of Citadel® products or used as a stand-alone joint filler for concrete polishing or preventative maintenance. It's available in custom colors matched for joints that need to match the surrounding substrates. Contact Citadel® for more information on custom colors, product limitations and pump options.



**FORTIFICATION™**

**FORTIFICATION FORMULA™ FAST & SLOW**

Fortification Formula™ is a fast setting, high strength, low viscosity modified Polyurea repair material that is very versatile, perfect for repairing and re-building damaged concrete. Citadel® Fortification Formula is a dual component, 1:1 ratio, easy to mix system that is 100% solids and VOC free. It can set anchor bolts, repair damaged control joints, fill spalling and rebuild vertical curbing and steps. Citadel® Fortification Formula is an excellent choice for quick repairs and return-to-service. Available in two speeds, it can be applied at any temperature with adjustable workability. Add sand or pea gravel to extend the material's volume and act as filler for repairing large spalls, holes, and cracks.





CPC

CPC is a heavy-duty concrete stripper and degreaser developed from citrus oranges. Its VOC compliant, easy to work with and has a pleasant orange smell. Excellent for stripping, degreasing and general cleaning purposes.



X-TREME GREEN CLEAN™

24/7 X-TREME GREEN CLEAN™

24/7 Xtreme Green Clean™ is the most advanced commercial cleaning product on the market today. Using safe, naturally occurring microorganisms rather than harsh chemicals, 24/7 Xtreme Green Clean breaks down grease, fats, oils, dirt, grime and many other contaminants into harmless bio-products (H2O and CO2). It also removes trapped oils that cause stains, produce nasty odors and make surfaces slippery. Best of all, it's biodegradable and near pH-neutral!



XRS GRAFFITI WIPES™

XRS Anti Graffiti wipes use our new migratory technology that penetrates and chemically fractures the molecular bonds in paints, lacquers, enamels and stains, breaking them down and removing them completely. The innovative technology was designed for maximum safety while still delivering excellent performance.



## BROADCAST

Citadel's® Broadcast Systems are a special blend of multiple colored quartz aggregates, flint or vinyl chips that provide an attractive floor finish with long-term durability. This system is the ideal choice for applications where slip resistance and a quality appearance are required.

### CHIP



### QUARTZ



### FLINT



## DECORATIVE

### MEDICI®

With the Medici® Polyurea Colour Coating System you can create a wide variety of decorative finishes that will outlast any other acrylic or acid stain system currently available. Unique floors are quickly installed using Dualie™ Roller, and the results are as beautiful as they are strong. Custom texturing is possible via sponge rollers and foam brushes, while the virtually unlimited pot-life of the material allows plenty of time to create the desired look. With endless color combinations available, the installer is truly unlimited in their design and artistic finish. The high solids content and excellent abrasion resistance of the Polyurea-1 HD™ make it the optimal choice for all applications.



### METALLIC

Metallic powder tints produce marbled floor coatings that contain pearlescent and iridescent accents with gleaming finishes. These lustrous floor coatings are the newest solution for commercial applications, retail environments and for many residential customers looking to set their home apart from others.



SOLID COLORS

POLYUREA-1 HD™

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virtually unlimited pot life allows you to work at any pace. The product is self-leveling meaning no roller lines. Available in a matt or high gloss finish.

TRAFFIC COAT

Polyurea-350™ is a two-component, 98% solids Polyurea primer/basecoat. Due to its proprietary blend of resins, Polyurea-350 allows installers to “wet-out” large areas, including vertical surfaces before broadcasting decorative aggregates such as quartz, vinyl chips, or flint. Citadel’s® Adjustable Cure Rate Technology™ allows the installer to customize the workability and cure times of this material for use in any climate.



LEVELHARD

Citadel® Level-Hard™ is the newest addition to our easy to install, durable floor coating systems. Developed as an Epoxy Hybrid, this coating exhibits excellent self-leveling characteristics and incredible adhesion to a variety of substrates. Level-Hard is a very versatile coating that can be used as a primer, build coat, broadcasting resin, troweling resin or topcoat. Its 100% solids content



is great for leveling of low spots, producing high build films, and creating one-of-a-kind floors when combined with our Citadel® Pearlescence™ Metallic Tints.

COMMERCIAL SOLUTIONS

Citadel® Commercial Solutions are renowned for industry leading Polyurea floor coating installations in businesses worldwide. Superior to any epoxy or urethane product available, Citadel’s® Commercial Solutions are perfect for non-slip high traffic environments. Its durability, chemical resistance and impact resistance is unmatched by any product on the planet, and all of this with speed that only Polyurea can offer. With our “Adjustable Cure Rate Technology” you’ll be walking on your floor in as little as 4 to 8 hours and back to service in as little as 24 hours at any time of year! From nuclear power plants, to restaurants, to manufacturing plants, there’s a Polyurea solution for your business.



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with your phone  
and learn more  
about **Citadel®**.



Scan this  
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**RockSolid Floors®**.



Citadel® is working in  
conjunction with **ARCAT** to  
provide architect specifications  
for applications requiring our  
commercial grade materials.



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