

# RES-TEK®

Acrylic Flooring & Concrete Repair Solutions



# MAC-Guard™

Acrylic Flooring System

# Experience the Res-Tek Difference

### Dedication From the Start

For more than 50 years, acrylic flooring systems have been used in a wide variety of applications around the world. Res-Tek offers this dynamic market unsurpassed experience and dedication in delivering unique flooring products designed for even the most challenging environments. Our in-house technical team can custom fit our full range of MAC-Guard™ methyl-methacrylate (MMA) based acrylic products to address each individual customer need. At Res-Tek, the only thing that's more important than our flooring is the satisfaction of our customers.



*Res-Tek is the Leading North American Supplier of MMA-Based Acrylic Flooring Systems.*

### MAC-Guard MMA-Acrylic Flooring

The primary ingredient of a MAC-Guard flooring system is the versatile methyl-methacrylate (MMA) monomer. MMA has a fast and efficient curing mechanism, with a full cure within one hour, over a wide temperature range. Cured resins are inherently UV stable and resistant to a variety of chemicals. MAC-Guard™ offers outstanding benefits for virtually any application, no matter how large or small. All of which means more savings and fewer inconveniences for you, the customer.

### Value for Your Time & Money

Expensive, persistent flooring problems can start a vicious cycle. Non-acrylic systems have long been plagued with poor performance issues. They may offer an attractive initial result, but simply cannot stand the test of time like a MAC-Guard system – meaning costly replacements are right around the corner. Once installed, our systems resist deterioration, withstand temperature fluctuations, and are UV stable.





Certified Applicators



Research & Development Program



Durable, Quality Flooring Solutions

### VOC (Volatile Organic Content) Compliance

MAC-Guard™ MMA-based acrylic reactive resins contain monomers that cure via a polymerization reaction. Once cured, they convert from a liquid to an inert 100% solid.

No unreacted product remains, leaving the environment free from pollution. All Res-Tek flooring systems are VOC compliant in all U.S. states.

### Resist™ Anti-Microbial

Our Resist anti-microbial option can be added to any Res-Tek system. This additive expands upon the durability of the system by boosting its ability to prevent stains and odors. This additional element is beneficial in sites that require sanitized and decontaminated surfaces.

### NSF Registered

All MAC-Guard™ flooring products are NSF Registered. NSF Registered Nonfood Compounds assure food safety inspectors and end users that products used in and around food processing meet the appropriate food safety requirements. Registration code R2.



Nonfood Compounds  
Program Listed (R2)  
(Registration #)

### Quality Control

What do you get from a Res-Tek product? The assurance that each ingredient meets preset chemical and physical properties.

We require a certificate of analysis for all incoming raw materials. In addition, all of our finished products have gone through a stringent multi-point QC program, which ensures quality and consistency from batch to batch.

The focus of our R&D is on the development and advancement of the newest and most innovative technology for acrylic resin flooring solutions. Our technicians are continually screening new raw materials in an effort to provide the most technologically advanced methyl methacrylate (MMA) based acrylic flooring resins in the marketplace today.

**One-Hour Bond Test:** Bond Tests provide instant confirmation of proper surface preparation prior to installation of your floor.



## Bond Test

The fast cure of our acrylic flooring system allows for instant confirmation of adequate surface preparation via the placement of bond test patties. Prior to primer application, patties are formed from a mixture of Res-Tek primer and quartz sand, then placed in strategic locations throughout the prepared substrate. One hour later the patties are removed with a hammer and chisel. The underside of each patty should have concrete attached confirming sufficient surface preparation. This simple test ensures a permanently bonded floor. The penetrating bond of our MMA-based acrylic flooring systems actually exceeds the cohesive strength of the concrete itself. For customers, this means your floors will pass the test of time and save you from costly repairs.

# Key Performance Benefits



## One-Hour Cure

One of the greatest values of this Res-Tek flooring system is its one-hour cure time; reducing downtime for you and your operations. Once cured, our MMA-based acrylic flooring system is immediately ready for use – unlike systems of the past that could render a surface nonfunctional for hours or even days after application.

## Low Temperature Cure

Our low temperature formula enables application in environments as cold as -15 degrees Fahrenheit without impacting the quality or aesthetic value of the final product.



## Non-Porous

Our flooring is a non-porous design meaning spills are unable to penetrate the sealed surface. Spills are easily cleaned with little effort and without costly damage to your finished



floor. This furthers the value inherent to all of Res-Tek's various systems by protecting your long-term investment.

## Chemical Resistance

MMA based acrylic flooring is chemically resistant to an array of surface aggressors. Our floors withstand a variety of exposures that would plague traditional flooring applications.



## Easily Repairable

Subsequent coats will chemically bond to the original MAC-Guard™ surface, reinforcing the integrity and performance properties of the floor. In the event of damage to your floors, trained technicians can readily perform cost-effective on-site repairs to maintain your floor's integrity for years to come.



## Customizable Flooring System

Each system consists of a primer, overlay resin, filler, and topcoat. Architectural and slip resistant finishes add not only aesthetic features, but also functionality. No matter what options you choose, our various components combine to create long-lasting, attractive floors that meet the specific needs of your facility. We offer a variety of options for the application of your MMA-based acrylic flooring system including: Self-Leveling, Trowelable, or Roll-On.

**RT-05 Polymer Concrete** – Polymer concrete is used for resurfacing, pitching and sloping, as well as full-depth repairs prior to the installation of a MAC-Guard™ floor. The system can be used for shallow and medium depth patches, under layment, grouting, and small repair. It provides a fast, permanent repair that yields exceptional strength and durability.



Restrooms & Locker Rooms



Hospitals & Laboratories



Airport Runways, Hangars, & Concourses



## Industrial Applications

From restaurants and hospitals, which have requirements for high levels of sanitation from health departments, to high traffic schools and public facilities, Res-Tek provides ideal solutions for the most challenging environments.

Every facility floor encounters diverse and distinctive challenges. Res-Tek products are designed so that they can be tailored into a flooring system specifically for the needs of your facility. Our flooring provides superior resistance to chemicals, abrasion and impact, and thermal shock.

# Multiple Industries

## Pharmaceutical & Healthcare

- Laboratories
- Clean rooms
- Surgical facilities
- Vivariums
- Hospital rooms



## Restaurants

- Freezers & coolers
- Restrooms
- Food prep lines
- Dining areas
- Kitchens & bakeries



## Education & Public Facilities

- Classrooms
- Locker rooms & showers
- Stadium, seating bowl, & concourses
- Laboratories
- Cafeterias



## Food Processing

- Bottle filling rooms
- Evisceration rooms
- Freezers & coolers
- Storage facilities

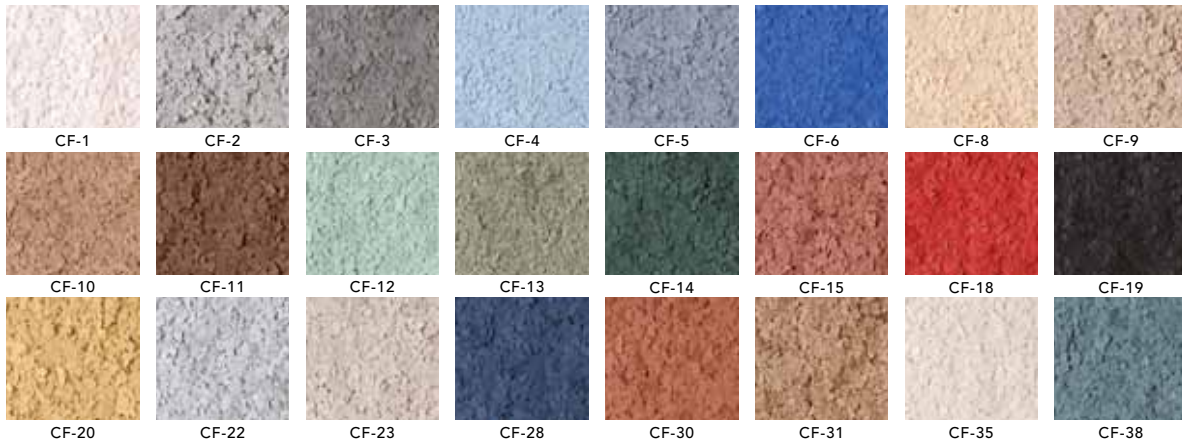


## Industrial

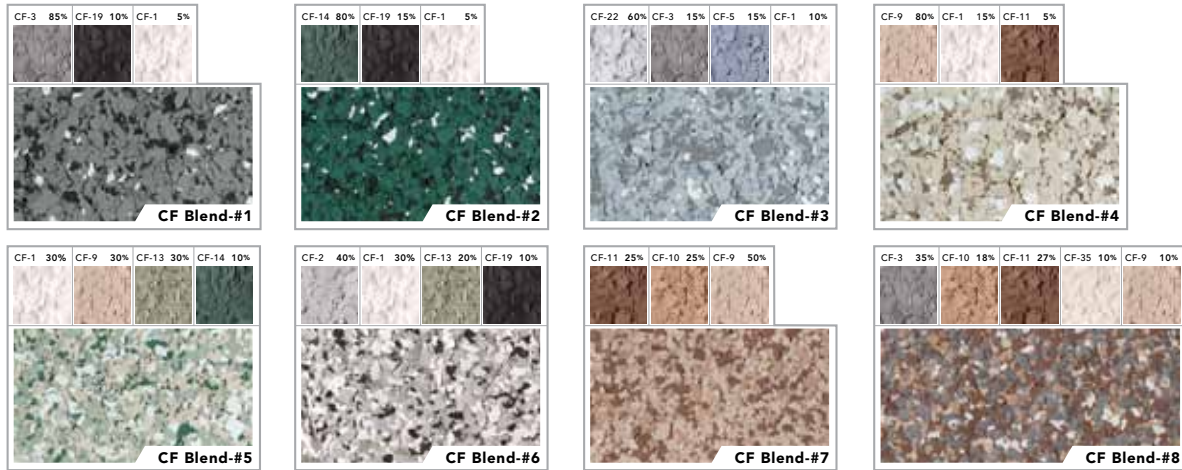
- Warehouses
- Manufacturing plants
- Automotive assembly lines



## Colored Flakes



## Colored Flake Blends



## Pigments



## Colored Quartz Blends

