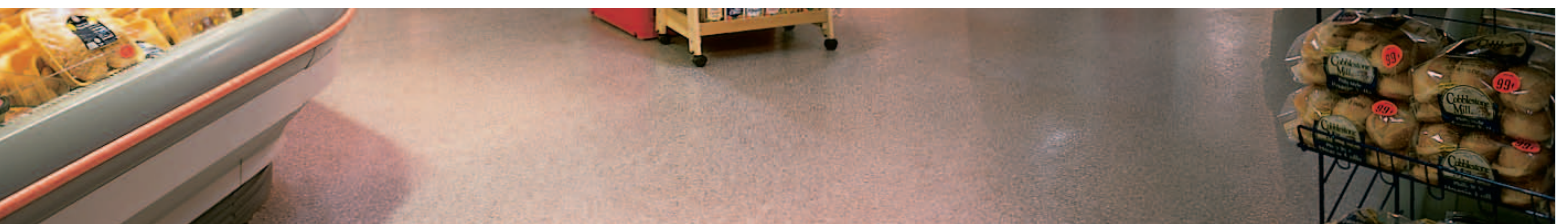


Performance Flooring

SRS DEGADUR® Flooring Systems



BASF

The Chemical Company

The Floor That Cures in One Hour

SRS, Specialty Resin Systems, is a part of the performance flooring division of BASF Construction Chemicals the industry leader in the manufacture of construction chemicals and building products for the construction industry. SRS DEGADUR® flooring systems are unique in the fact that they can cure in one hour and they have been in use throughout the world for over 45 years.

SRS DEGADUR® Flooring

Methacrylate Reactive Acrylics

Methacrylates

Methacrylate chemistry is vastly different from many other commonly used resin technologies on the market today.

Methacrylates are part of the acrylics family, sharing the same chemistry used to create everyday products, including Plexiglas®, house paints, eyeglass lenses, dental materials, even medical implants.

Methacrylate reactive resins are based on acrylic and methacrylic acid esters. This is the reason for the fast and efficient curing mechanisms of methacrylate materials. Cured resins are inherently UV stable and resistant to a variety of chemicals.

Methacrylates have a distinct odor that is present even at extremely low concentrations, as with DEGADUR® resins that are well below OSHA limits. Methacrylates can be an irritant, but are not a sensitizer, so worker health and safety issues are greatly reduced. The odor quickly dissipates when the curing process is complete. Methacrylate resins are 100% solvent free, environmentally responsible and VOC compliant.

When applied to resinous flooring systems designed for industrial and commercial uses, methacrylate chemistry results in systems and products that meet a wide variety of technical and design criteria: durability, time savings, reduced life cycle costs, ease of maintenance, versatility and aesthetics.

Design Options

DEGADUR® flooring systems offer many different degrees of slip resistance—from fine to coarse—which offer additional protection against slips and falls. Many color options are available in tintable binders, colored quartz or flake systems. Broadcast, roll-on or trowel-on systems are also available, depending on application environment.



® = Registered Trademark

DEGADUR® = Trademark of Evonik Röhm GmbH, Darmstadt / Germany

1 Registered trademark of Atofina Chemicals, Inc.



Advantages & Benefits

Permanent Welded Bond

A flooring system is only as good as its bond to the substrate. Just prior to every application of a DEGADUR® flooring system, bond tests are performed.

This unique quality control measure, specified on every job, assures proper substrate preparation and permanent bond of the DEGADUR® system to the substrate. Only a one hour cure system can provide this kind of permanent bond assurance.

This simple test consists of applying patties of the selected DEGADUR® material at strategic locations throughout the job site.

The patties are allowed to cure (45 minutes – 1 hour), and then removed with a chisel and hammer.

The results of these tests verify a proper bond of the system to the substrate by showing a fracture plane within the aggregate of the concrete.

Once a proper bond is established, the DEGADUR® system is then applied beginning with a primer, followed by the overlay resin and completed with the application of one or more topcoats.

Intercoat Chemical Bond

Intercoat chemical bond is unique to DEGADUR® systems. DEGADUR® flooring systems begin with a low viscosity penetrating primer. Overlay and topcoat resins are then applied.

These subsequent resin applications chemically bond together with the primer and cure to form one continuous mass, even if new DEGADUR® resin is applied years later.

This chemical bond provides a completely welded, monolithic flooring system without cold joints, voids or pinholes.

Ease of Cleaning & Maintenance

DEGADUR® systems are resin rich and non-porous. This creates an impervious, monolithic, seamless flooring system that liquids, dirt and impurities cannot penetrate.

Dirt and spills remain on the surface and are easily removed by most regular cleaning procedures. Cleaning costs are reduced in many environments since DEGADUR® floors never need to be waxed or stripped.

Versatility

DEGADUR® systems provide ideal flooring solutions in both interior and exterior applications across a wide range of industries. These include pharmaceutical/health facilities, supermarkets, food processing plants, restaurants, stadiums, public facilities, industrial plants and countless other applications.

Aesthetics

A dynamic range of colors and textures are available in DEGADUR® systems. Proprietary pigment, flake and quartz selections, varying degrees of texture, slip resistance and system thicknesses provide an endless array of custom design choices. This allows the design professional great flexibility to create systems that meet the most specific aesthetic, performance and application requirements.

Durability & Life Cycle Cost

The cost of products can only be determined by their performance and durability over time. Many flooring materials that appear economical in the short run provide only brief service life and then break down or delaminate. The cost of repairing or replacing these short lived systems can be extremely expensive in lost time and budget overruns.

DEGADUR® systems eliminate the need for these costly repairs. They do not ravel, chalk, disintegrate, or become brittle over time. DEGADUR® systems are UV and color stable, impact and abrasion resistant and withstand wide temperature fluctuations. These systems are known worldwide for their long, durable service life that results in minimal life cycle costs.





Commercial & Industrial Flooring

Supermarkets

Supermarkets, and other retail facilities need flooring systems that are attractive, durable, cleanable, stain and slip-resistant and meet inspection requirements.

DEGADUR® flooring systems meet the rigorous demands of supermarket environments.

In addition, the cold temperature cure of the systems makes them an ideal solution for walk-in coolers and freezers. No shutdown of the freezer is necessary, saving both time and money.

Cleaning costs are dramatically reduced as well - DEGADUR® floors never need to be waxed or stripped.

Restaurants

From the front door to the back areas, restaurants need floors that are attractive, slip-resistant and meet local, state and federal health department regulations and standards.

Kitchens, food preparation areas, freezers, coolers, dining rooms, bar areas and entry ways all benefit from durable, aesthetically pleasing, seamless DEGADUR® floors.

Food Processing

DEGADUR® flooring systems are ideal for food processing environments. DEGADUR® floors are completely non-porous and impervious.

Liquids, grease, grime, spills, cleaning products - whatever lands on the floor stays there to be swept or washed away without penetrating the floor.

DEGADUR® systems withstand the rigors of aggressive cleaning regimens, the movement of equipment from one location to another and exposure to the variety of liquids and solids associated with food processing environments.

The seamless, impervious, slip-resistant surface gives it ease of cleaning and maintenance in the most demanding of food processing environments.

DEGADUR® floors give you peace of mind. They meet all requirements of the FDA, USDA, and are NSF registered.

- Food processing plants
- Breweries and bottling plants





Pharmaceutical

Millions of square feet of DEGADUR® flooring systems have been installed throughout pharmaceutical facilities in North America.

From vivariums and cage wash areas to manufacturing and research and development facilities, DEGADUR® seamless flooring systems provide the highest possible levels of sanitation and aesthetics in these sensitive environments.

DEGADUR® systems provide a stain resistant, seamless, durable, impervious floor that is easily sanitized and maintained. Liquids, impurities, reagents, uric acid and cleaning solutions cannot penetrate it - staining and odors are drastically reduced or eliminated.

- Laboratory and medical facilities



Stadiums

Stadiums and public facilities face many concerns and challenges in providing clean, safe, attractive venues for patrons. The aesthetics and design of a facility can greatly impact revenues.

From the seating areas and concourses to the concession areas, restrooms and locker/shower rooms, flooring surfaces must be clean, hygienic, attractive, and highly resistant to mold, fungi, spills and staining.

DEGADUR® systems provide a durable, slip-resistant, cleanable and easily maintained surface with excellent weatherability. These systems have been used for decades in stadiums and public assembly facilities around the world. DEGADUR® is specified time and time again as the only system that provides the dependability, durability and performance properties necessary in these environments.

- Health and fitness clubs
- Restroom, shower, locker and hydrotherapy facilities
- Arenas and public assembly facilities



Industry

DEGADUR® industrial flooring systems are specifically engineered to stand up to the extremes of industrial and manufacturing environments.

Ideally suited for manufacturing and assembly areas, forklift aisles and loading docks, DEGADUR® systems withstand the constant abuse of heavy loads, extreme impact, forklift traffic and exposure to acids, caustics and other chemicals.

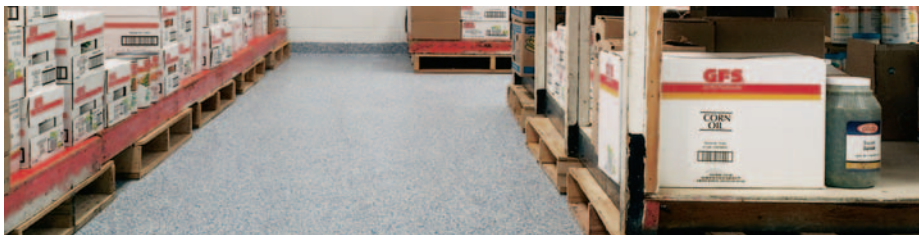
The unique, durable bond of these systems to the substrate is the foundation of their strength. The flexural, compressive and tensile strength of the monolithic system gives it extreme durability.

The seamless, impervious, slip-resistant surface gives it ease of cleaning and maintenance in the most demanding environments.

- Warehouses
- Industrial and manufacturing plants

Concrete Repair & Restoration

- Roads
- Runways
- Racetracks
- Bridges, tunnels and parking decks
- Loading docks
- Columns and beams
- Structural repair
- Terra cotta repair
- Patches, grouting
- Overlays
- Expansion joints





Advantages & Benefits

DEGADUR® Flooring Systems

These one hour cure, methacrylate resin systems are superior to other available technologies.

For years, DEGADUR® flooring systems have been recognized for superior quality and longevity. These unique flooring systems are used on a continuing basis in over 40 countries around the world.

One Hour Cure

Downtime for most facilities is a major concern and expense. The one hour cure of DEGADUR® flooring systems eliminates excessive downtime. The facility can return to full operation in a fraction of the time required with slow-curing systems.

Even in temperature extremes down to -20° F, DEGADUR® systems fully cure in one hour. This is due to the unique curing mechanism inherent to methacrylate technology.

DEGADUR® flooring systems cure via a free radical polymerization reaction. Within one hour of application, virtually 100% of the DEGADUR® binder system has been converted from a liquid to an inert solid. There are no unreacted portions of the material left to leach out of the system.

DEGADUR® consists of resin and a powder initiator. The initiator rapidly dissolves in the resin and initiates the curing process without effecting the properties of the finished product, unlike other multi-component systems.

This unique curing process guarantees a material that meets defined physical properties that remain uniform from batch to batch.

DEGADUR® Polymer Concrete

DEGADUR® Polymer Concrete is used primarily for the permanent repair of badly damaged concrete prior to the installation of a DEGADUR® floor.

This methacrylate material offers the same advantages and benefits as DEGADUR® flooring.

Also used as a multi-purpose repair product, DEGADUR® Polymer Concrete is ideal for use in a wide variety of other applications including the repair and restoration of spalled concrete, joints, steps and edges, and structural applications, among others.

DEGADUR® Polymer Concrete is easily mixed and workable, allowing for high production rates.

Aggregate extension reduces costs and maximizes performance with no critical mix ratios. DEGADUR® Polymer Concrete is solvent free, VOC compliant and is virtually 100% reactive.



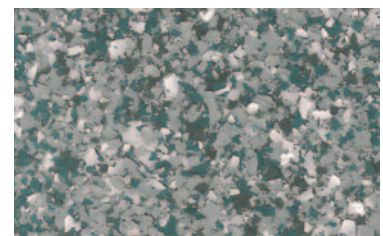
After



Before



DEGADUR® Quartz System



DEGADUR® Flake System



Quality Control

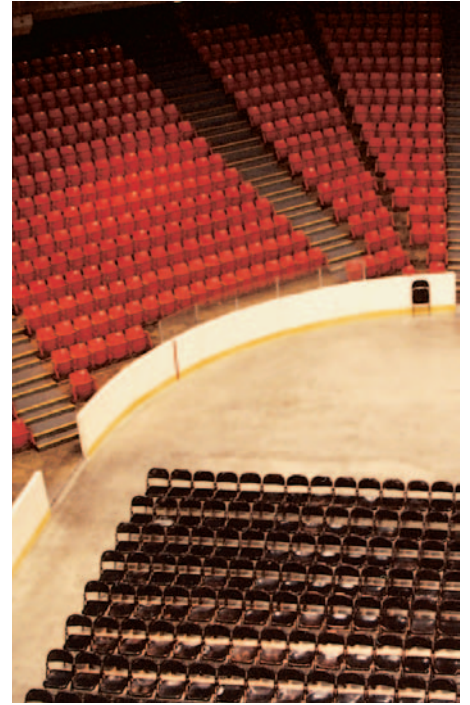
These unique, solvent free, 100% reactive acrylic resin formulations are the result of years of rigorous testing in independent labs and in the field. On-going training and state-of-the-art service programs are an integral part of our value added quality control protocol.

Proprietary Formulations

DEGADUR® flooring products are based on proprietary formulations. These formulations are complete systems. From the primers to the topcoats, all components are designed to meet your specific requirements. There is no need to mix and match various components from a multitude of suppliers to complete a project.

DEGADUR® systems are formulated for total compatibility of each component part to create a complete system ready for application upon delivery.

DEGADUR® is the first flooring product in the USA to be NSF registered. NSF is the governing entity regarding the use of products that come into incidental contact with food. DEGADUR® is registered by NSF under the International Registration Program for Proprietary Substances and Nonfood Compounds: Registration Code R2.

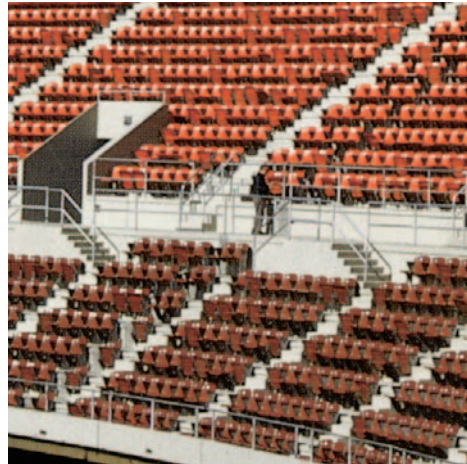


² The NSF symbol is a registered trademark of NSF International, Ann Arbor, MI.



BASF Construction Chemicals – Building Systems is an industry leader in the manufacture of construction chemicals and building products for the construction industry.

Its widely recognized brands – Sonneborn®, Thoro®, MBT Protection and Repair, Hydrozo®, SELBY, UCRETE®, and SRS DEGADUR provide an expansive product offering that includes joint sealants, grouts, waterproofing membranes, concrete repair products, clear sealers, performance flooring, and wall coatings.



Building Systems has a truly unique ability to bundle its products into comprehensive “building systems” that offer designers and contractors effective single-source solutions to their building and construction problems. Our sales force, technical services, and research & development groups, work together to ensure we meet your project needs.

For every building challenge there's a Building Systems solution... everything you need to build, repair and protect.

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