



# MasterTop<sup>®</sup> SRS MMA Flooring Systems

EXIT



# MasterTop® SRS Flooring

Master Builders Solutions is the industry leader in the manufacture of construction chemicals and building products for the construction industry. MasterTop SRS is comprised of highly engineered flooring systems that can cure in less than one hour, and have proven performance with nearly 50 years of successful installations.

## **Methyl-Methacrylate (MMA) Reactive Acrylics**

Methyl-Methacrylate (MMA) reactive resins are based on acrylic and methacrylic acid esters, which enable fast and efficient curing. Acrylic chemistry is used to create common products, like house paints, eyeglass lenses, dental materials, even medical implants. When used in flooring, the cured resins are inherently UV stable and resistant to a variety of chemicals.

Methyl-Methacrylates (MMA) have a distinct odor that is present even at extremely low concentrations that are well below OSHA limits. Methyl-Methacrylates (MMA) can be an irritant, but are not a sensitizer, so worker health and safety issues are greatly reduced compared with other flooring technologies. The odor quickly dissipates when the curing process is complete. Methyl-Methacrylate (MMA) resins are VOC compliant.

MMA resinous flooring technology 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**

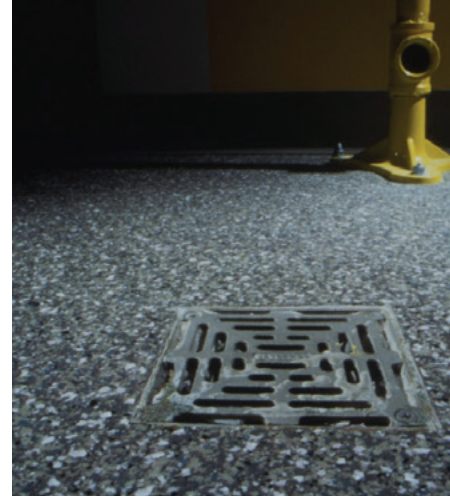
MasterTop SRS flooring systems offer many different degrees of slip resistance for protection against slips and falls. Many color options are available in tintable binders, colored quartz or flake systems. Broadcast, roll-on or trowel-on systems are also available, depending on the unique needs of each facility.

*MasterTop SRS seamless flooring systems fully cure in one hour and are unsurpassed in durability, time and cost savings, substrate bond and aesthetics.*





# For a successful flooring installation, choose MasterTop SRS MMA technology



## Permanent Welded Bond

An installed flooring system is only as good as its bond to the substrate. Prior to every application of a MasterTop SRS flooring system, bond tests are performed.

This unique quality control measure, specified on every job, assures proper substrate preparation and permanent bond of the MasterTop SRS 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 MasterTop SRS 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 MasterTop SRS 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 MasterTop SRS systems. MasterTop SRS 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 MasterTop SRS 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

MasterTop SRS 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 MasterTop SRS floors never need to be waxed or stripped.

## Versatility

MasterTop SRS systems provide customized 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 MasterTop SRS 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.

MasterTop SRS systems eliminate the need for these costly repairs. They do not ravel, chalk, disintegrate, or become brittle over time. MasterTop SRS 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.



### Supermarkets

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

### Food Processing

Non-porous and impervious MasterTop SRS flooring systems are ideal for food processing environments. Liquids, grease, spills, cleaning products - whatever lands on the floor stays there to be swept or washed away without penetrating the floor.

MasterTop SRS 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 provides ease of cleaning and maintenance in the most demanding of food processing environments. MasterTop SRS 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 MasterTop SRS flooring systems have been installed throughout pharmaceutical facilities in North America. From vivariums and cage wash areas to manufacturing and research and development facilities, MasterTop SRS seamless flooring systems provide the highest possible levels of sanitation and aesthetics in these sensitive environments.

MasterTop SRS 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.

MasterTop SRS 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. MasterTop SRS 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
- Restrooms, showers, lockers and hydrotherapy rooms

### Industry

MasterTop SRS 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, MasterTop SRS 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





### MasterTop SRS Flooring Systems

These one hour cure, methacrylate resin systems are superior to other available technologies. For years, MasterTop SRS 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 MasterTop SRS 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, MasterTop SRS systems fully cure in one hour. This is due to the unique curing mechanism inherent to methacrylate technology.

MasterTop SRS flooring systems cure via a free radical polymerization reaction. Within one hour of application, virtually 100% of the MasterTop SRS 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.

MasterTop SRS consists of resin and a powder initiator. The initiator rapidly dissolves in the resin and initiates the curing process without affecting 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.

### MasterTop SRS Polymer Concrete

MasterTop SRS polymer concrete is used primarily for the permanent repair of badly damaged concrete prior to the installation of a MasterTop SRS floor. This methacrylate material offers the same advantages and benefits as MasterTop SRS flooring.

Also used as a multi-purpose repair product, MasterTop SRS 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.

MasterTop SRS Polymer Concrete is easily mixed and workable, allowing for high production rates. Aggregate extension reduces costs and maximizes performance with no critical mix ratios.

### Quality Control

These unique, 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.

#### Formulated for Compatibility

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

MasterTop SRS 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. MasterTop SRS is registered by NSF under the International Registration Program for Proprietary Substances and Non-food Compounds: Registration Code R2.



## Master Builders Solutions

The Master Builders Solutions brand brings all of MBCC Groups expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures. Master Builders Solutions is built on the experience gained from more than a century in the construction industry.

The know-how and experience of a global community of MBCC Group construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve your specific construction challenges. We collaborate across areas

of expertise and regions and draw on the experience gained from countless construction projects worldwide. We leverage global MBCC Group technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make you more successful and drive sustainable construction. The comprehensive portfolio under the Master Builders Solutions brand encompasses concrete admixtures, cement additives, chemical solutions for underground construction, waterproofing solutions, sealants, concrete repair and protection solutions, performance grouts and performance flooring solutions.

## Master Builders Solutions products for the Construction Industry:

### MasterAir®

Solutions for air-entrained concrete

### MasterBrace®

Solutions for concrete strengthening

### MasterCast®

Solutions for manufactured concrete product industry

### MasterCem®

Solutions for cement manufacture

### MasterEmaco®

Solutions for concrete repair

### MasterFinish®

Solutions for formwork treatment

### MasterFlow®

Solutions for precision grouting

### MasterFiber®

Comprehensive solutions for fiber reinforced concrete

### MasterGlenium®

Solutions for high-performance concrete

### MasterInject®

Solutions for concrete injection

### MasterKure®

Solutions for concrete curing

### MasterLife®

Solutions for enhanced durability

### MasterMatrix®

Advanced rheology control solutions for self-consolidating concrete

### MasterPel®

Solutions for water tight concrete

### MasterPolyheed®

Solutions for high-performance concrete

### MasterPozzolith®

Solutions for water-reduced concrete

### MasterProtect®

Solutions for concrete protection

### MasterRheobuild®

Solutions for super-plasticized concrete

### MasterRoc®

Solutions for underground construction

### MasterSeal®

Solutions for waterproofing and sealing

### MasterSet®

Solutions for retardation control

### MasterSure®

Solutions for workability control

### MasterTop®

Solutions for industrial and commercial floors

### Ucrete®

Flooring solutions for harsh environments

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