

Pharmaceutical / Healthcare Market Product / System Selector Guide



The systems listed herein are intended as starting points for normal exposures. Consult your Corrosion Specification Specialist (CSS) or Business Development Manager (BDM) for specific application parameters and system limitations and to confirm suitability.

Some of the listed systems require an Approved Contractor for installation/application. Please give careful consideration to the applicator's qualifications when recommending these systems.

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| Area Type | System | System Benefits | Product Data | CSI Format Spec | MSDS |
|--|-----------------|--|--------------|-----------------|---|
| <p>Animal Holding</p> <p><u>Area Description</u> Animal Holding areas are dedicated to raising, keeping, observing and treating laboratory animals in an environmentally-controlled enclosure. These areas are climate controlled and may be subjected to high pressure, hot water cleanings and aggressive cleaning / sterilizing agents.</p> <p>Animal holding areas may also contain stationary or moveable cages and racks holding small animals and rodents.</p> | FasTop™ S | Fast installation, rapid return to service, moisture resistance and moisture vapor emission resistance makes FasTop ideal for use in animal holding areas. FasTop also has excellent physical and chemical resistance properties that take the daily abuse, cleaning and sanitation. | N/A | FasTop S | 4040A, 4040B, 4050A, 4050B, 5050, 5310, 3744A, 3744B, 4844A, 4844B |
| | Ceramic Carpet™ | An 1/8" decorative epoxy system that incorporates decorative color quartz with chemical resistant epoxies. It forms a protective system which is aesthetically pleasing while capable of supporting racks and equipment without becoming gouged or pitted. The system can also be customized in color blends of the quartz and in texture for slip resistance. | N/A | Ceramic Carpet | 3579A, 3579B, 3561A, 3561B, 5900F, 3744A, 3744B, 4844A, 4844B |
| | Bio-Flake™ | Combines FasTop flooring system with decorative mosaic vinyl chips and a chemical-resistant topcoat. It can be used in areas exposed to frequent cleaning, sanitization and sterilization; also impact and wear resistant. | N/A | Bio-Flake | 4040A, 4040B, 4050A, 4050B, 5050, 3589A, 3589B, 6750/6755, 3744A, 3744B, 4844A, 4844B |



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|--|---|--|--------------|--------------------------|---|
| Autoclave Area Description An autoclave is a device used to sterilize equipment and supplies by subjecting them to high pressure steam at 121° C or more. Autoclaves are typically used in the treatment and sterilization of waste such as pathogenic hospital waste. They are able to neutralize potentially infectious agents by utilizing pressurized steam and superheated water. These environments can have cart traffic, impact from dropped instruments and exposure to hot water and chemical attack. | FasTop S | Fast installation, rapid return to service, moisture resistance and moisture vapor emission resistance makes FasTop ideal for use in animal holding areas. FasTop also has excellent physical and chemical resistance properties that take the daily abuse, cleaning and sanitation. | N/A | FasTop S | 4040A, 4040B, 4050A, 4050B, 5050, 5310, 3744A, 3744B, 4844A, 4844B |
| | Bio-Flake | Combines FasTop flooring system with decorative mosaic vinyl chips and a chemical-resistant topcoat. It can be used in areas exposed to frequent cleaning, sanitization and sterilization; also impact and wear resistant. | N/A | Bio-Flake | 4040A, 4040B, 4050A, 4050B, 5050, 3589A, 3589B 6750/6755 3744A, 3744B, 4844A, 4844B |
| Central Utilities Area Description These areas include mechanical, electrical, chilled and high temperature water, fire alarm systems, life safety and emergency power generation systems, chemical water treatment, co-generation plants, and energy recovery. Areas may be exposed to high temperatures from water, steam, machinery and possible exposure to heavy machinery during shutdowns and maintenance. | FasTop S | Fast installation, rapid return to service, moisture resistance and moisture vapor emission resistance makes FasTop ideal for use in animal holding areas. FasTop also has excellent physical and chemical resistance properties that take the daily abuse, cleaning and sanitation. | N/A | FasTop S | 4040A, 4040B, 4050A, 4050B, 5050, 5310, 3744A, 3744B, 4844A, 4844B |
| | TPM® #115-S Smooth TPM #115-U Textured | High impact, chemical and thermal shock resistance are the reasons these systems are recommended. TPM 115 provides excellent impact and abrasion resistance along with good chemical resistance (with the appropriate seal coat), and it performs well in constantly wet environments. | N/A | TPM #115-S TPM #115-U | 3579A, 3579B 3561A, 3561B 5115 3744A, 3744B 3505A, 3505B, 4685A, 4685B |
| Toilet/Shower/Locker Rooms Area Description These areas are typical to most industrial / commercial projects. Cleaning and frequent wash downs are normal. | Ceramic Carpet | Ceramic Carpet is an 1/8" decorative epoxy system that incorporates decorative color quartz with chemical resistant epoxies to form a protective system. The texture can also be modified for slip resistance. | N/A | Ceramic Carpet | 3579A, 3579B 3561A, 3561B 5900F 3744A, 3744B |
| | Bio-Flake | BioFlake system combines FasTop flooring system with decorative mosaic vinyl chips and a chemical-resistant topcoat. It can be used in areas exposed to frequent cleaning, sanitization and sterilization. It is also impact and wear resistant. | N/A | Bio-Flake | 4040A, 4040B, 4050A, 4050B, 5050, 3589A, 3589B 6750/6755 3744A, 3744B, 4844A, 4844B |



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| Chemical Containment Area Description Chemical Containment areas can have exposure and store a variety of chemicals from acids to bases, solvents etc. Obtaining a list of chemicals or MSDS along with concentrations, temperatures and potential mixtures are very important. This area may be subjected to impact from carts, drums and equipment. | FasTop S | Fast installation, rapid return to service, moisture resistance and moisture vapor emission resistance makes FasTop ideal for use in animal holding areas. FasTop also has excellent physical and chemical resistance properties that take the daily abuse, cleaning and sanitation. | N/A | FasTop S | 44040A, 4040B, 4050A, 4050B, 5050, 5310, 3744A, 3744B, 4844A, 4844B |
| | Bio-Flake | BioFlake system combines FasTop flooring system with decorative mosaic vinyl chips and a chemical-resistant topcoat. It can be used in areas exposed to frequent cleaning, sanitization and sterilization; also impact and wear resistant. | N/A | Bio-Flake | 4040A, 4040B, 4050A, 4050B, 5050, 3589A, 3589B 6750/6755 3744A, 3744B, 4844A, 4844B |
| | TPM #115-S Smooth TPM #115-U Textured | TPM-115 provides excellent impact and abrasion resistance along with good chemical resistance (with the appropriate seal coat), and it performs well in constantly wet environments. It is an economical system that will provide good protection of concrete. NOT recommended for areas subject to severe thermal cycling or long-term exposure to organic acids. | N/A | TPM #115-S TPM #115-U | 3579A, 3579B 3561A, 3561B 5115 3744A, 3744B 3505A, 3505B, 4685A, 4685B |
| Corridors, Lobbies Area Description Corridors and lobbies typically have a variety of traffic from pedestrian to heavy carts. They can also be exposed to a variety of chemicals used in cleaning and sterilization. | Terrazzo #1100 | Epoxy terrazzo offers unlimited design capabilities with a smooth, cleanable surface that is sustainable. | N/A | Terrazzo #1100 | 3579A, 3579B 3556A, 3556B 3520A, 3520B 5270 MARBLE 4401, 4502 |
| | SofTop | SofTop offers a highly decorative system that is chemical resistant. It is also easy under foot and having noise-reducing properties. | N/A | SofTop | 3579A, 3579B 3557A, 3557B 5600 4844A, 4844B |
| | Decorative Mosaic | Decorative Mosaic has a smooth, easy to clean surface. Offers flexible design potential from the wide color range of vinyl chips. | N/A | Decorative Mosaic | 3479A, 3479B 6750, 6755 4408A, 4408B |
| Powders Charging Area Description In this area, particles and dry products are being transported through pumps, machines and tubes. This is a static sensitive area. | Trafficote #105 SD | Areas where potential static buildup from powders charging can damage sensitive equipment. Trafficote 105 SD utilizes high build epoxy with static dissipative urethane topcoat. | N/A | Trafficote #105 SD | 3524A, 3524B 3564A, 3564B 5305 4618EA, 4618B |
| | Terrazzo #1100 | Epoxy terrazzo offers unlimited design capabilities with a smooth, cleanable and sanitary surface | N/A | Terrazzo #1100 | 3579A, 3579B 3556A, 3556B 3520A, 3520B 5270 MARBLE 4401, |



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|---|---------------------------------|--|----------------|---------------------------------|---|
| Data Centers <u>Area Description</u> Data centers typically have a variety of electronics, computers and sensitive equipment. These areas normally do not have heavy traffic. But it is critically important that protective coatings have static dissipative properties. | Trafficote™ #105 SD | Where static buildup and high traffic can damage sensitive equipment. Trafficote 105 SD utilizes high-build epoxy with static dissipative urethane topcoat. | N/A | Trafficote #105 SD | 3524A, 3524B 3564A, 3564B 5305 4618EA, 4618B |
| Emergency Rooms <u>Area Description</u> Emergency rooms can see a variety of activities including carts, pedestrian foot traffic, impact from dropped instruments and tools. Exposed to a variety of cleaning and sterilization products along with bodily fluids. The flooring system must be able to be cleaned quickly. | SofTop Decorative Mosaic | Offers a highly decorative system that is chemical resistant and also easy under foot and having noise-reducing properties. Decorative Mosaic has a smooth, easy to clean surface. Offers flexible design potential from the wide color range of vinyl chips. | N/A N/A | SofTop Decorative Mosaic | 3579A, 3579B 3557A, 3557B 5600 4844A, 4844B 3479A, 3479B 6750,6755 4408A, 4408B |
| Equipment Wash <u>Area Description</u> This is an area where equipment, tanks and pump are washed. This area can be subjected to abuse from high temperatures and chemical exposure. | FasTop S | High impact resistance, chemical resistance and thermal shock resistance are the reasons these systems are recommended. | N/A | FasTop S | 4040A, 4040B, 4050A, 4050B, 5050, 5310, 3744A, 3744B, 4844A, 4844B |
| Laundry, Kitchen, Food Prep <u>Area Description</u> Can also be exposed to impact and a high volume of cart traffic. These floors may be exposed to high temperature water or steam and aggressive cleaning agents. | FasTop S Ceramic Carpet | Fast installation, rapid return to service, moisture resistance and moisture vapor emission resistance makes FasTop ideal for use in these areas. Also has excellent physical and chemical resistance properties that take the daily abuse, cleaning and sanitation. Ceramic Carpet is an 1/8" decorative epoxy system that incorporates decorative color quartz with chemical resistant epoxies to form a protective system which is aesthetically pleasing while capable of supporting racks and equipment without becoming gouged or pitted. The texture can also be modified for slip resistance. | N/A N/A | FasTop S Ceramic Carpet | 4040A, 4040B, 4050A, 4050B, 5050, 5310, 3744A, 3744B, 4844A, 4844B 3579A, 3579B 3561A, 3561B 5900F 3744A, 3744B |
| Production <u>Area Description</u> Production areas are sterile environments that are subjected to high temperatures and aggressive cleaning and sterilization chemicals. | Bio-Flake Terrazzo #1100 | BioFlake system combines FasTop flooring system with decorative mosaic vinyl chips and a chemical-resistant topcoat. It can be used in areas exposed to frequent cleaning, sanitization and sterilization also impact and wear resistant. Epoxy terrazzo offers unlimited design capabilities with a smooth, cleanable and sanitary surface | N/A N/A | Bio-Flake Terrazzo #1100 | 4040A, 4040B, 4050A, 4050B, 5050, 3589A,3589B 6750/6755 3744A, 3744B, 4844A, 4844B 3579A, 3579B 3556A, 3556B 3520A, 3520B 5270 MARBLE 4401, |



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| Labs - Biosafety Labs (BSL 1,2,3,4) Area Description BSL-1 labs are used to study agents not known to consistently cause disease in healthy adult humans. The work is generally conducted on open bench tops using basic safety procedures. E.G. School biology lab. BSL-2 labs are used to study moderate-risk agents that pose a danger if accidentally inhaled, swallowed or exposed to the skin. Safety measures include access controls, specialized training for laboratory employees, personal protective equipment such as gloves and eye wear as well as biosafety cabinets, hand-washing sinks and decontamination of waste material. E.G. Hospital labs BSL-3 labs are used to study agents that can be transmitted through the air and cause serious or potentially lethal disease. Research precautions include those indicated for BSL-2 labs as well as respiratory protection, specialized ventilation and decontamination systems. BSL-4 labs are used to study agents that pose a high risk of life-threatening disease for which no vaccine or therapy is available. Lab personnel are required to wear full-body, air-supplied "space suits" when working in the facility. The labs incorporate all BSL-3 safety features as well as having air-tight door seals and occupy safe, isolated zones within a larger building. | Bio-Flake | BioFlake system combines benefits of the FasTop flooring system with decorative mosaic vinyl chips and chemical-resistant topcoats. Used in combination with an integrated cove and wall system, that is easy to clean and sanitize in this critical environment. | N/A | Bio-Flake | 4040A, 4040B, 4050A, 4050B, 5050, 3589A, 3589B 6750/6755 3744A, 3744B, 4844A, 4844B |
| | Decorative Mosaic | Decorative Mosaic is an epoxy system that incorporates decorative vinyl chips with chemical-resistant resins to form a protective system which is aesthetically pleasing that holds up to the cleaning and sanitation in this critical environment. | N/A | Decorative Mosaic | 3479A, 3479B 6750,6755 4408A, 4408B |
| Warehouses Area Description Warehouses can have anything from light cart traffic to heavy equipment. | Trafficote 105 | Trafficote 105 offers 1/16" to 1/8" protection in high wear, heavy traffic warehouse areas. Custom texture for areas where slip resistance is required. | N/A | Trafficote 105 | 3579A, 3579B 3561A, 3561B 5350, 5310 3744A, 3744B |
| | HardTop | Recommended in warehouses where the traffic and loads are light. The aluminum oxide in HardTop provides excellent wear resistance. | N/A | HardTop | 3460A, 3460B, 4408A, 4408B 5240 |



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|--|--|--|--|--------------------------|---|
| Loading Docks Area Description Can have anything from light cart traffic to heavy equipment. | FasTop S | High impact, chemical and thermal shock resistance are the reasons these systems are recommended. | N/A | FasTop S | 4040A, 4040B, 4050A, 4050B, 5050, 5310, 3744A, 3744B, 4844A, 4844B |
| | TPM #115-S Smooth TPM #115-U Textured | High impact, chemical resistance and thermal shock resistance are needed in an aggressive, busy loading dock. | N/A | TPM #115-S TPM #115-U | 3579A, 3579B 3561A, 3561B 5115 3744A, 3744B 3505A, 3505B, 4685A, 4685B |
| | Epoxy Coating System | An epoxy coating system can be effective where the traffic and loads are light. There are many chemistries to choose from; epoxies and urethanes. Urethanes can enhance chemical resistance and gloss. | 3579, 3505, 3589, 3741, 3744 | Epoxy Coating System | 3579A, 3579B 3505A, 3505B 3589A, 3589B 3741A, 3741B 3744A, 3744B |
| Mechanical Equipment Rooms Area Description Mechanical Equipment Rooms (MER) can have a wide range of traffic, from pedestrian to heavy loads. Most MER's need a flexible base for waterproofing. | Epo-Flex MER | MER utilizes 100% solids epoxy membrane base coat and 100 % solids epoxy topcoat. The amount of topcoat can be modified depending on the slip resistance needed in a potentially wet environment. | N/A | Epo-Flex MER | 3579A, 3579B 3555A, 3555B 5310 3744A, 3744B |
| Operating Rooms Area Description Operating rooms are a sterile environment. The wall corners and coves need to be rounded for easy cleaning and sanitizing. The flooring and coatings may be exposed to impact, heavy equipment carts, chemicals and iodine containing sterilants. Cleaning and sanitation chemicals are very aggressive. | SofTop | Offers a highly decorative system that is chemical-resistant. It is also easy under foot and having noise reducing properties. | N/A | SofTop | 3579A, 3579B 3557A, 3557B 5600 4844A, 4844B |
| Packaging Area Description Packaging areas are usually sterile unlike those in industrial environments. | Bio-Flake | Bio-Flake system combines FasTop flooring system with decorative mosaic vinyl chips and a chemical resistant topcoat. It can be used in areas exposed to frequent cleaning, sanitization and sterilization also impact and wear resistant. | N/A | Bio-Flake | 4040A, 4040B, 4050A, 4050B, 5050, 3589A, 3589B 6750/6755 3744A, 3744B, 4844A, 4844B |
| | Terrazzo #1100 | Epoxy terrazzo offers unlimited design capabilities with a smooth, cleanable and sanitary surface. | N/A | Terrazzo #1100 | 3579A, 3579B 3556A, 3556B 3520A, 3520B 5270 MARBLE 4401 |



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| Miscellaneous Block wall | Kem-Cati Coat | Recommended for filling and smoothing concrete in areas that are constantly wet or subject to aggressive chemicals. Accepts a wide range of topcoats. Beware of potential odor issues during application and cure. | B42V401 B42W400 | N/A | Kem-Cati Coat |
| | Heavy Duty Block Filler | Acrylic block filler designed for use under high performance topcoats. Not a good choice for constantly wet environments, but can handle some periodic washdown. | B42W46 | N/A | Heavy Duty Block Filler |
| | Steel Seam FT 910 | Excellent choice for filling and smoothing concrete and pitted steel in areas that are constantly wet or subject to aggressive chemicals. 100% solids and very low odor make it ideal for applications. Accepts a wide range of topcoats. | B58W910 B58V910 | N/A | Steel Seam FT 910 |
| Primers / Surface's | Macropoxy 646 | A good quality multi-purpose polyamide epoxy that provides good physical properties and cures quickly. | B58A490 B58T604 B58B600 B58R600 B58W490 B58Y490 | N/A | Macropoxy 646 |
| Cove Base | Epoxy Cove | Coves are extremely important in cleaning and sanitation of flooring and walls. The radius of a cove makes the connection between the floor and wall easier to clean. It also makes the transition from a thick flooring system to a thin wall system without leaving an edge to collect dirt. | 3561V | Epoxy Cove | 3561VA, 3561B |
| | FasTop S Cove | Urethane cement cove base to complement FasTop systems | N/A | FasTop S Cove | 4040A, 4040B |



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| <p>High Performance Wall Systems</p> <p>Walls in pharmaceutical and health care environments need to be very smooth and easy to clean. High pressure water, steam, aggressive chemicals are used to clean and sanitize.</p> | <p>Sani-Glaze I</p> <p>Sani-Flex</p> <p>Sani-Fiber</p> <p>Saniglass II</p> | <p>A reinforced, high-build wall system that is easy to clean and resist a wide range of chemicals and sanitizers.</p> <p>A flexible base gives this wall system superior crack bridging and impact resistant properties.</p> <p>The micro fibers incorporated into the resin gives it increased physical properties over standard wall systems.</p> <p>The embedded fiberglass mat give this wall system dimensional stability, strength and durability.</p> | <p>3479, FC38 5.6 oz Cloth 4408</p> <p>3479, 3552W, 4685W</p> <p>3462, 3462G, 4408</p> <p>3479, FM36 2 oz Mat 4408</p> | <p>Sani-Glaze</p> <p>Sani-Flex</p> <p>Sani-Fiber</p> <p>Saniglass II</p> | <p>3479A, 3479B, 4408A, 4408B</p> <p>3479A, 3479B, 3552WA, 3552B, 4685WA, 4685B</p> <p>3462A, 3462B, 3462G, 4408A, 4408B</p> <p>3479A, 3479B, 4408A, 4408B</p> |
| <p>Details</p> <p>Contact Healthcare / Pharmaceutical Business Development Manager for drawings</p> <p>Joints</p> <p>Drains</p> <p>Cove and Wall Detail</p> <p>Flooring</p> <p>Wall / Door Intersect</p> | <p>Control Joints Crack Detail</p> <p>Expansion Joint Drain Detail</p> <p>Cove Base Block Termination Cove Base Wall Sys Cant Base</p> <p>Termination</p> <p>Detail</p> | | | | |



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| Surface Preparation Surface Preparation Guide Concrete Surface Preparation Non Ferrous Metal SSPC / NACE Standards | SW Guide | | Weblink | N/A | |
| | ICRI | | Weblink | N/A | |
| | General Polymers G-1 | | Weblink | N/A | |
| | SW Guide | | Weblink | N/A | |
| | SW Guide | | Weblink | N/A | |
| Crack and Joint Filler Materials | Stampede- 1SL | Single component, self-leveling, moisture curing urethane sealant for use as a horizontal joint filler in dry areas. Urethane sealants should not be used in areas subject to standing water. | 001646058 WL0001408 | N/A | Stampede- 1SL |
| | Stampede-2SL | Two component, self-leveling, moisture curing urethane sealant for use as a horizontal joint filler in dry areas. Urethane sealants should not be used in areas subject to standing water. | 001638774 WL0001417 | N/A | Stampede-2SL |
| | 4700 Instant Patch | 4700 Instant Patch Resin can be used to repair floors or as a mortar to resurface floors when the floor temperature cannot be brought to an acceptable minimum temperature for other topping systems. 4700 can be applied at temperatures as low as -10F | 4700 | N/A | 4700A, 4700B |
| | 3580 Crack and Joint Filler | Two component, self-leveling, epoxy sealant for use as a horizontal crack and joint filler in dry or wet areas. Not well suited for cold or damp application conditions. | 3580 | N/A | 3580A, 3580B |
| | Envirolastic JS80 Polyurea | Two component, self-leveling, polyurea sealant for use as a horizontal joint filler in wet or dry areas. JS 80 is well suited for cold temperature applications and cures to service very quickly. | B81V4000 B81W4000 B81A4000 B81A4001 B81A4002 B81B4000 B81H4000 B81R4000 | N/A | Envirolastic JS80 Polyurea |
| | Fox FX 570/571 Polysulfide | Two component, self-leveling, polysulfide sealant for use as a horizontal joint filler in wet or dry areas. Offers superior chemical resistance. Should be used in aggressive environments. Beware the relatively slow cure to service times. | FX 570/571 | N/A | FX 570 FX 571 |



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to have a representative contact you.