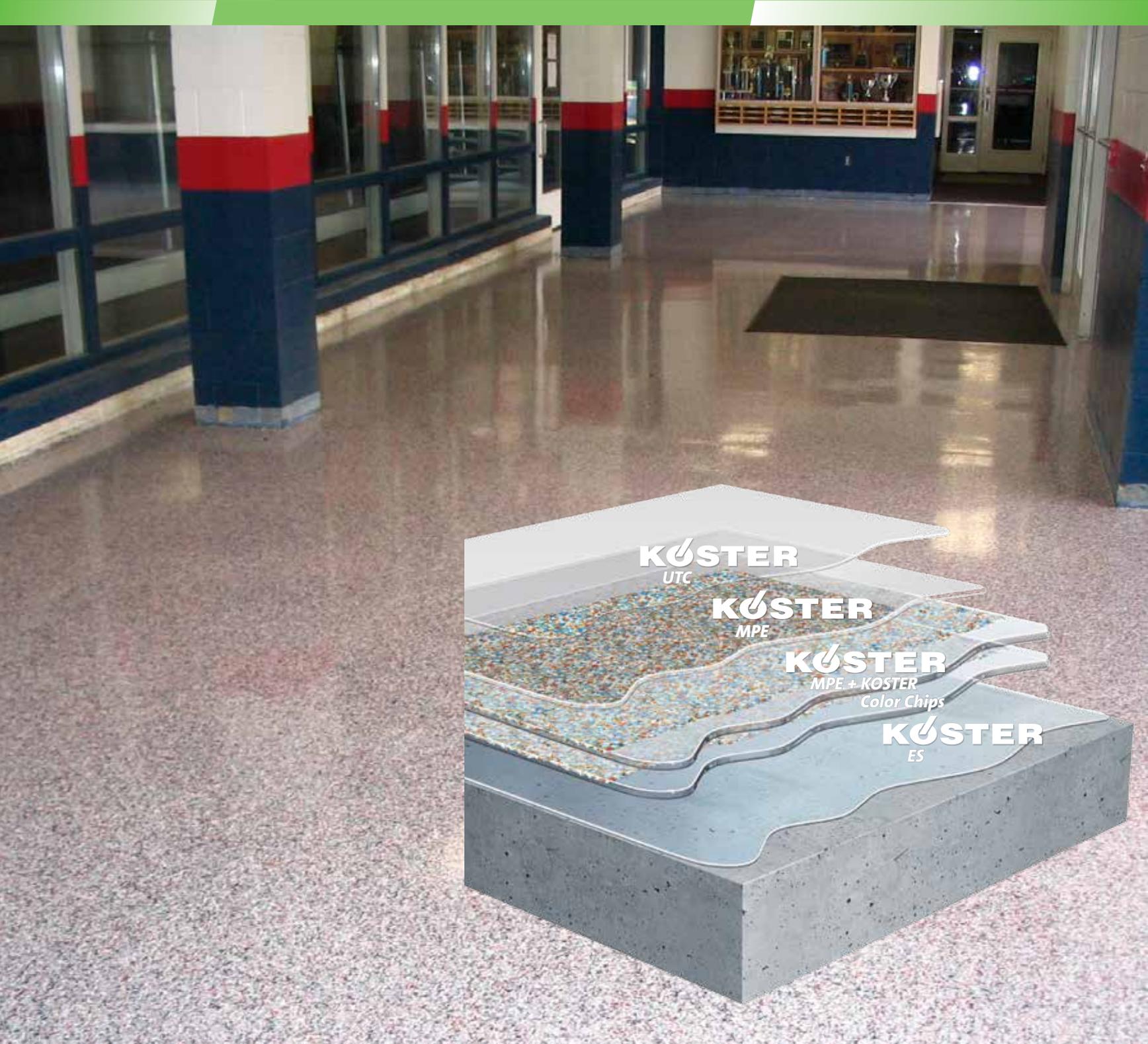


CHIP & QUARTZ FLOOR SYSTEMS



KOSTER Chip Floor/Quartz Floor - System Advantages

Over the lifetime of a flooring system, there may be several changes in the usage it is exposed to. Facilities are often remodeled as floor plans and production lines are updated, or new technologies are introduced. The floors have to be durable and able to keep up with the demands that these changes pose. For such purposes, KOSTER has developed epoxy based broadcast floor systems that incorporate different kinds of broadcast media such as chip and quartz.



Both systems are based on 100 % solids zero VOC epoxy coatings. In order to achieve a decorative, durable and slip resistant surface, the KOSTER Chip Floor System uses a colored chip broadcast while the KOSTER Quartz Floor System uses a colored quartz broadcast. The quartz gives the system excellent mechanical properties. Both systems can be coated with a urethane based topcoat to enhance scratch resistance and UV stability. With their unique formulations, the systems are versatile and can be installed in a wide range of applications. KOSTER epoxy coatings are cycloaliphatic systems- adding KOSTER Urethane Top Coat (UTC) produces a UV stable, non-yellowing floor coating system.



EASY TO CLEAN:

The seamless application and the adjustability of the surface characteristics allow creating floors that are easy to clean. On request, an anti-microbial agent can be added into the systems which eliminates potential deterioration of the coatings and odor caused by micro-organisms.

DURABLE:

Epoxy flooring systems have proven themselves worldwide for decades. They are known to be rugged and durable and are able to stand up to the everyday demands of commercial floors. Their durability can be further improved through additives that increase scratch and wear resistance. This makes them ideal for demanding environments like machine shop floors, heavy duty fork lift areas, school cafeterias and other areas where heavy duty abrasion resistance is needed. KOSTER epoxy coatings can be equipped with an adhesion promoter which allows stronger bonding to difficult to bond to surfaces.

KOSTER Chip Floor/Quartz Floor - System Advantages



SLIP RESISTANT:

By using different grain size broadcasts and by using several transparent topcoats, surface textures can be controlled to meet specific needs. Through special additives, the system can be given different grades of slip resistance as well as non-skid characteristics. Non-skid provides constant foot traction where required, even in wet environments.

SEAMLESS:

The systems are installed seamless. In case of spills on the floor, e.g., in a production facility, there are no seams through which the spilled materials could leak into the substrate.

CORROSION RESISTANT / CHEMICALLY RESISTANT:

The systems are corrosion resistant. They can come into contact with a wide variety of chemicals without suffering any damages. The 2-way cure of KOSTER epoxy coatings results in an increased density of the coating for better chemical and thermal shock resistance. This makes it suitable for installation in kitchens, eliminating the need for a high price specialty coating.

VERSATILE IN DESIGN:

The systems offer versatility to the designer. Company logos or safety markings on shop floors can easily be incorporated into the floor design. Specific colors can be matched.

GREEN:

Both systems are solvent free, and neither release volatile solvents to the atmosphere during the installation process, nor during their installed lifetime. The very low odor makes it possible to keep adjacent work areas open during the installation of the flooring finish.

COST EFFECTIVE/LOW COST MAINTENANCE:

Due to fast cure times, there is minimal downtime in any working project. Another enhanced benefit is the longevity of the flooring system, which ensures that the life-cycle cost of the floor is kept effectively low.

Pre-application Testing

Before any work is done on a flooring project, the concrete substrate must be tested for levels of moisture vapor. The test results show if the concrete can simply be primed or if a moisture control system, such as KOSTER VAP I® 2000, has to be installed prior to the installation of the final flooring. Core testing may be necessary to evaluate if the concrete contains contaminants that may be harmful to the flooring system.

After preparing the substrate, the KOSTER Chip Floor or KOSTER Quartz Floor Systems can be installed.

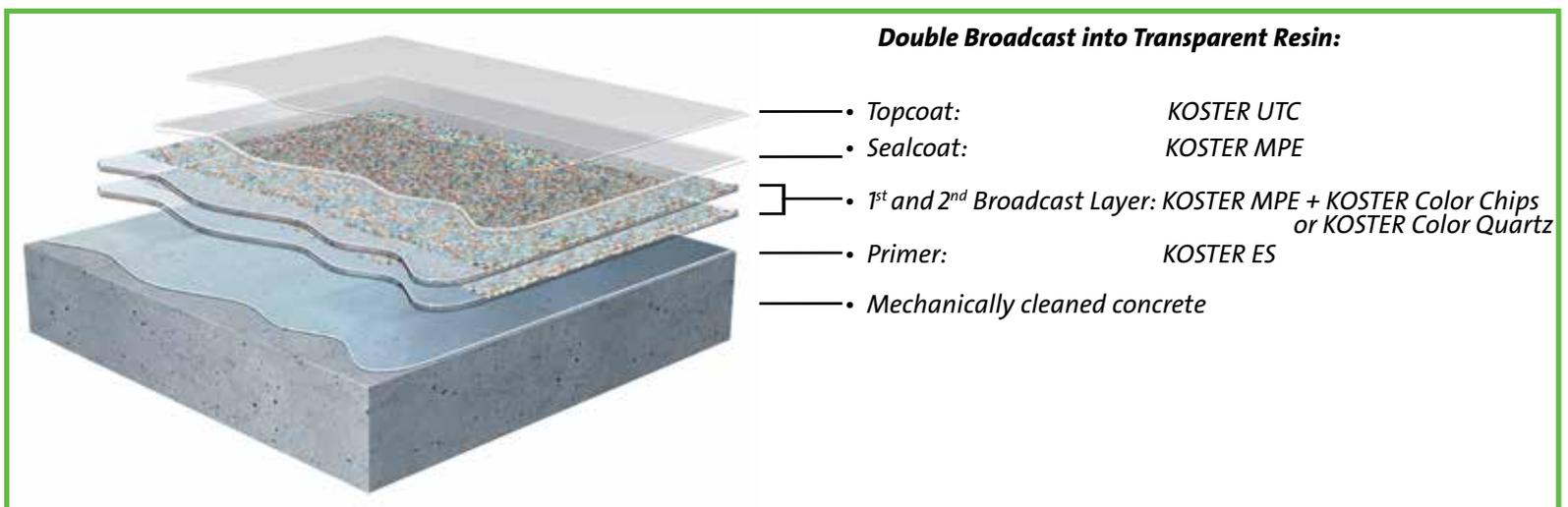
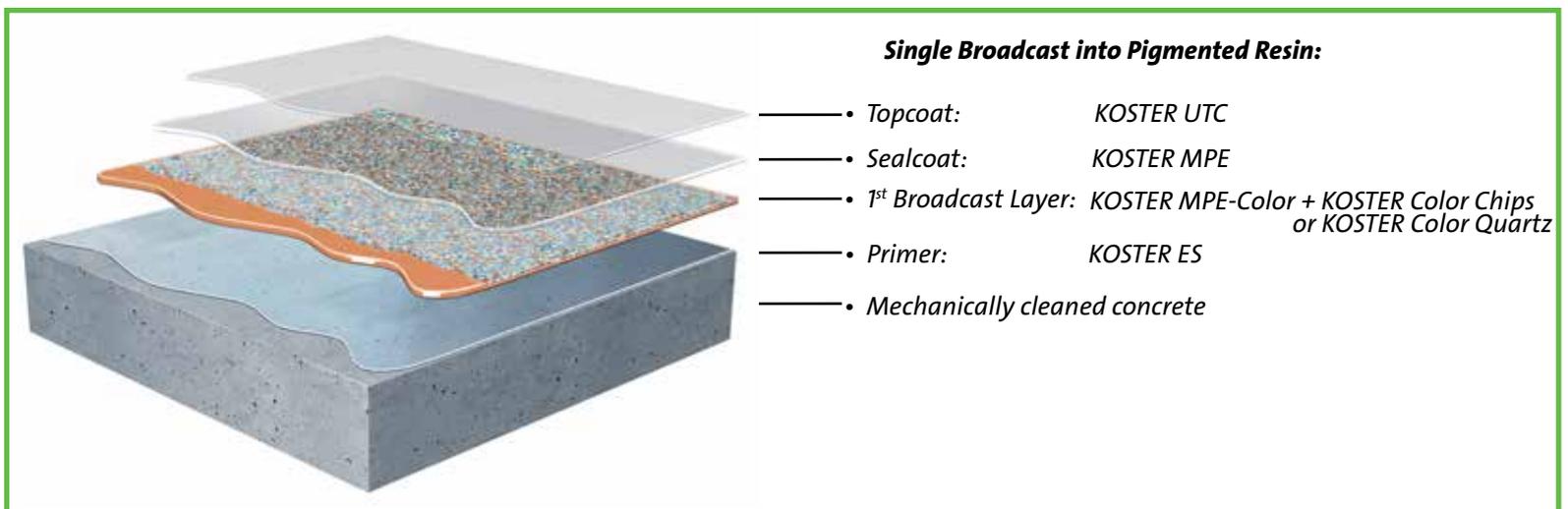


KOSTER Chip Floor/Quartz Floor - Fields of Application

		KOSTER Chip Floor	KOSTER Quartz Floor
Primer		KOSTER ES or KOSTER VAP I® 2000*	KOSTER ES or KOSTER VAP I® 2000*
Body Coat		KOSTER MPE or KOSTER MPE-Color	KOSTER MPE or KOSTER MPE-Color
Broadcast		KOSTER Color Chips	KOSTER Color Quartz
Seal Coat		KOSTER MPE	KOSTER MPE or KOSTER MPE-Color
Top Coat		KOSTER UTC	KOSTER UTC
Market Sectors	Specific Examples		
Commercial	Stadiums	X	X
Institutional	Schools	X	X
Healthcare	Operating Rooms	X	X
Industrial	Auto Manufacturing	X	X
Manufacturing	Machine Shops	X	X
Governmental	Firehouses	X	X
Pharmaceuticals	Laboratory/ Production	X	X
Restaurants	Kitchen	X	X

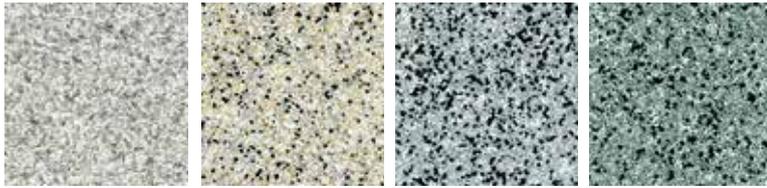
* A moisture control system such as KOSTER VAP I® 2000 may be required due to the moisture condition of the concrete.

KOSTER Chip Floor/Quartz Floor - Broadcast Systems

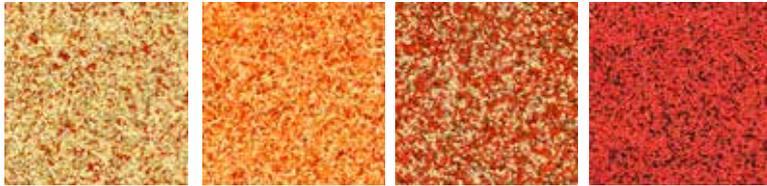


KOSTER Chip Floor/Quartz Floor - Color Reference

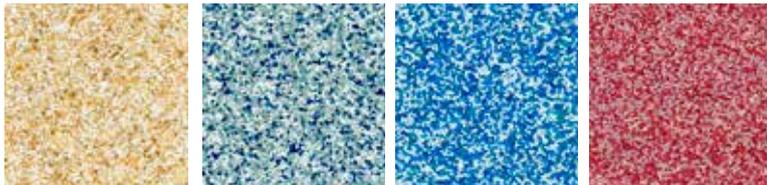
KOSTER Color Quartz (Q40)



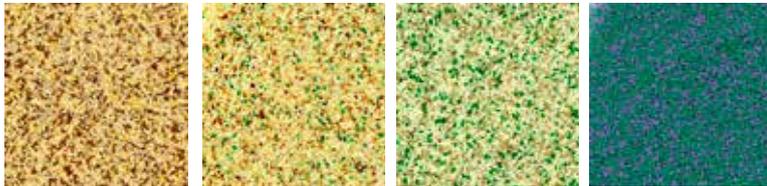
Q40-1001 Q40-1006 Q40-1009 Q40-1010



Q40-1023 Q40-1024 Q40-1025 Q40-4215

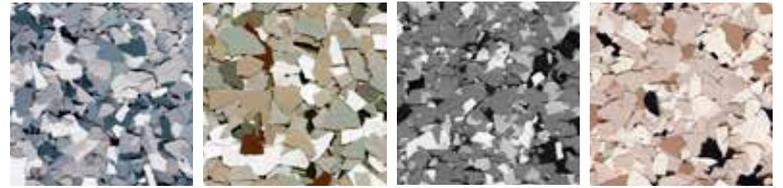


Q40-1011 Q40-1019 Q40-1020 Q40-4217



Q40-1015 Q40-1021 Q40-1022 Q40-4216

KOSTER Color Chips 1/4"



C4-708 C4-716 C4-616 C4-421



C4-224 C4-412 C4-414 C4-124

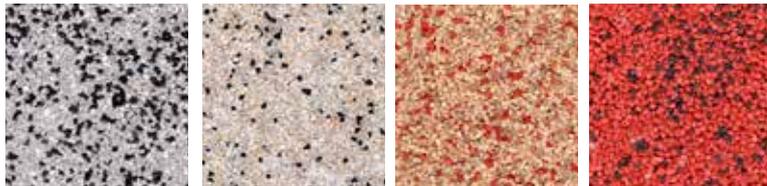


C4-123 C4-316 C4-512 C4-217

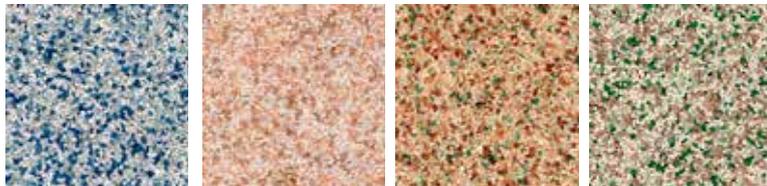


C4-127 C4-517 C4-426 C4-206

KOSTER Color Quartz (Q25)



Q25-1009 Q25-1006 Q25-1023 Q25-4215

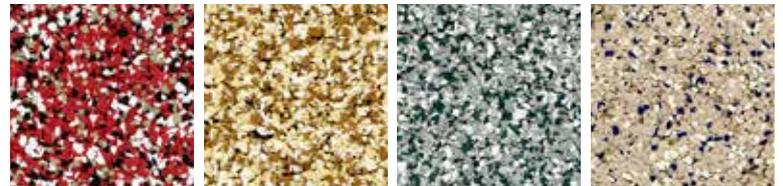


Q25-1019 Q25-1011 Q25-1021 Q25-1022

KOSTER Color Chips 1/16"



C16-708 C16-716 C16-616 C16-421



C16-224 C16-412 C16-414 C16-124

Custom blending and color matching can is available - requires a 14 day lead time.

DISCLAIMER: The colors shown in this brochure have been reproduced to represent actual product colors as accurately as possible. However, KOSTER recommends checking your chosen color against a KOSTER sample of the product before purchasing, as lighting conditions and limitations of the printing process affect color tones. Please call to request your color sample.

KOSTER Chip Floor/Quartz Floor - System Components

KOSTER ES (Epoxy Sealer)

KOSTER ES is a 100 % solids, low viscosity, two-part epoxy sealer / all-purpose primer which can be used in restoring concrete floors and concrete surfaces prior to application of new toppings or as a “stand alone” sealer. KOSTER ES has exceptional adhesion to concrete and other substrates.



KOSTER MPE-Color (Color Multi-purpose Epoxy)

KOSTER MPE-Color is a multi-purpose pigmented epoxy. It can be used as a color enhancing base coat which is broadcasted into with KOSTER Color Chip and KOSTER Quartz for additional decor or it can be used as a standalone pigmented epoxy coating. It is available in a fast curing version called KOSTER MPE-F-Color.



KOSTER MPE (Multi-purpose Epoxy)

This multi-purpose epoxy is used as a body coat to receive broadcast treatments. It is easy to use and provides exceptional performance in a variety of environments. This epoxy can be paired with KOSTER Color Chips and KOSTER Color Quartz to match any color decor. It is also available in a fast curing version, called KOSTER MPE-F.



KOSTER Color Chips

Decorative colored chips are designed for broadcasting into KOSTER MPE/MPE-F. They are specially formulated to enhance the aesthetic qualities of resin-based flooring systems. With an endless range of color styles, texture, size, and blending options, these chips are popular due to their versatility.



KOSTER UTC (Urethane Top Coat)

KOSTER UTC is a urethane top coat for KOSTER MPE/MPE-F which can also be used as a standalone sealer for concrete. The urethane top coat provides resistance to wear, chemicals and abrasion for long lasting protection. This UV stable coating is durable and allows for gloss & color retention. It is also available in a “low temperature” version called KOSTER UTC-LT.



KOSTER Color Quartz

KOSTER Color Quartz is an aggregate composed of uniform shapes and sizes of color coated granules for broadcasting into KOSTER MPE/MPE-F. This product provides an array of radiant colors that adds to floor durability and high performance in extreme environments.



KOSTER Chip Floor/Quartz Floor - Technical Data

Product	Packaging	Coverage Rate	Working Time (at 70° F)	Drying Time (at 70° F)	Mixing Ratio (by volume)
KOSTER ES	3 gal, 7.5 gal, 15 gal, barrel	160-535 ft ² /gal	approx. 20 min	approx. 8 hours	2:1
KOSTER MPE	3 gal, 7.5 gal, 15 gal, barrel	160 ft ² /gal (at 10 mils)	approx. 20 min	approx. 8 hours	2:1
KOSTER MPE-F	3 gal, 7.5 gal, 15 gal, barrel	160 ft ² /gal (at 10 mils)	approx. 10 min	approx. 4 hours	2:1
KOSTER MPE-Color	3 gal, 7.5 gal, 15 gal, barrel	160 ft ² /gal (at 10 mils)	approx. 20 min	approx. 8 hours	2:1
KOSTER MPE-F-Color	3 gal, 7.5 gal, 15 gal, barrel	160 ft ² /gal (at 10 mils)	approx. 10 min	approx. 4 hours	2:1
KOSTER UTC	2 gal, 5 gal, 10 gal, barrel	530-320 ft ² /gal (at 3-5 mils)	approx. 15 min	approx. 1-2 hours	1:1
KOSTER UTC-LT	2 gal, 5 gal, 10 gal, barrel	530-320 ft ² /gal (at 3-5 mils)	approx. 10 min	approx. 1-2 hours	1:1
KOSTER UTC-Color	2 gal, 5 gal, 10 gal, barrel	530-320 ft ² /gal (at 3-5 mils)	approx. 15 min	approx. 1-2 hours	1:1
KOSTER UTC-LT-Color	2 gal, 5 gal, 10 gal, barrel	530-320 ft ² /gal (at 3-5 mils)	approx. 10 min	approx. 1-2 hours	1:1
KOSTER Color Chips	50 lb bag	5-9 ft ² /lb	n/a	n/a	n/a
KOSTER Color Quartz	50 lb bag	½-1 ft ² /lb	n/a	n/a	n/a





Service you can depend on

With our large distribution and service network in the US and Canada, KOSTER American offers professional advice and technical support for flooring needs where water vapor, pH and oil contamination are a problem. Call your local KOSTER Representative today!

For further information, please contact:



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