

Quartz Systems

When the toughest floors are required, quartz systems provide the ultimate protection!

UDT's Quartz systems are engineered for environments that demand exceptional strength, longevity, and visual appeal.

Built on a quartz foundation, these systems deliver reliable performance in even the harshest commercial and industrial settings.

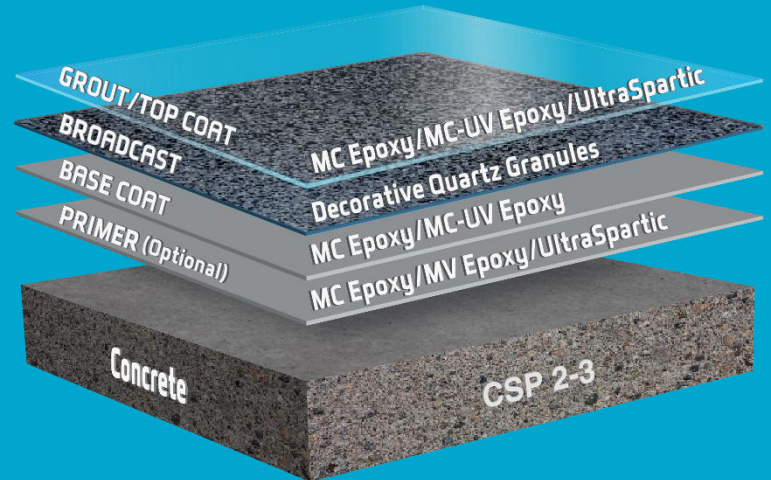
Available in a wide range of blends and colors, our Quartz systems offer both durability and design flexibility.

Benefits

- Beautiful Appearance
- Wide Variety of Color Options
- Maximum Durability
- Superior Chemical & Stain Resistance
- High Traction
- Low VOCs

Uses

- Commercial Kitchens
- Mechanic Bays
- Pool Decks
- Veterinary Clinics & Pet Care
- Clean Rooms
- Pharmaceutical Facilities
- Restrooms & Locker Rooms
- Storage & Packaging Areas
- ... and more!



UDT Quartz
decorative system – see the chosen quartz blend through the clear coating



Ultra Double Quartz Solid
industrial system – solid color supported by the quartz beneath

Consistent & Reliable Results

UDT quartz systems are valued for their consistency and reliability during installation. The structured layering process ensures even coverage, uniform thickness, and with an integral cove base creates a seamless finish across large or complex floor plans. This controlled application not only enhances long-term performance but also allows contractors to deliver predictable results, project after project.

Long-Term Performance

In addition to their strength, these systems provide a stable flooring solution that supports ongoing facility operations. Their dense, reinforced structure helps withstand heavy foot traffic, rolling loads, and equipment movement without showing signs of wear. This makes them an ideal choice for environments where uptime matters and a dependable surface is essential to daily workflows.



Uncompromising Strength & Style

UDT quartz floors bridge the gap between aesthetics and performance. While the quartz media reinforces the coating system, it also creates opportunity for tailored visual finishes from subtle, refined textures to bold, decorative blends. This flexibility allows facilities to align durability requirements with design goals, achieving the right balance of function and style.

Built to Endure

Because these systems are engineered to resist environmental stressors, they remain stable even when exposed to temperature fluctuations, moisture, or chemical cleaning routines. This resilience reduces the need for frequent maintenance and helps preserve both appearance and structural integrity over time, offering long-term value for facilities of all types.



Designed With Installers in Mind

From the way our resins flow and self-level to the interaction with the quartz granules, every aspect is engineered to help contractors achieve a clean, uniform finish without surprises onsite. The forgiving work time and predictable cure profile make it easier to manage large areas, complex layouts, or fast-track schedules without compromising quality.

Dependable Results, Job After Job

Whether you're working in a high-traffic commercial kitchen or a demanding industrial environment, the system's double-broadcast structure provides dependable build thickness and excellent mechanical strength. This consistency reduces rework, minimizes punch-list items, and helps ensure successful installations across a wide range of conditions.

Thick-Build Your Reputation

Your reputation depends not only on your craftsmanship but also on the products you use. UDT's quartz floors stand up to daily abuse from chemicals, rolling loads, moisture, and heavy wear. Your clients get a long-lasting surface that reflects well on your work. With outstanding adhesion and impressive resistance to abrasion and impact, it's a system you can stand behind with confidence.

Typical Physical Properties

Nominal Total Thickness approximate	125 mils (1/8") for double broadcast; triple broadcast could be used if needed to achieve a higher target thickness
Color	Pre-blended standard or custom colors available
Shore D Hardness ASTM D2240	72 - 78
Pencil Hardness ASTM D3363	6H with Ultra HTS topcoat
Compressive Strength ASTM D695	11,000 psi
Tensile Strength ASTM C307	8,500 psi
Abrasion Resistance Taber CS-17, 1000 cycles ASTM D4060	17 mg loss with Ultra HTS topcoat
Pull-Off Adhesion to Concrete ASTM D7234	Concrete failure (>450 psi)

Support When You Need It

We back our systems with clear documentation, responsive technical support, and training resources to keep your projects running smoothly. Whether you need help selecting the right quartz blend, navigating moisture concerns, or optimizing installation methods, our team is here to help you deliver a flawless result.

Surface Preparation

Concrete must be structurally sound, cured for at least 30 days, and free of contaminants including waxes, loose paint, dust, dirt, grime, oils, release agents, curing compounds, and any surface laitance (a layer of weak and non-durable material). Grind to a Concrete Surface Profile (CSP) of 2 to 3 (30-70 metals). All substrates must be properly prepared by trained and experienced contractors or maintenance personnel.

Safety Precautions

Safety Data Sheets (SDS) must be referenced before product use. Ensure the most recent instructions and technical data are used. Current product documents are available here:

<https://ultradt.com/product-documentation/>

Warranty

<https://ultradt.com/warranty/>

Moisture Vapor Emissions Precautions

All interior concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission that may lead to blistering and failure of any coating system. It is the coating applicator's responsibility to conduct calcium chloride or relative humidity probe testing to determine if excessive levels of vapor emissions are present before applying any coatings. A moisture test should be performed to determine MVT rate. UDT can supply moisture remediation products and information. Consult your UDT representative for more information. UDT and its representatives or sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

Material Storage

Materials must be stored in a temperature-controlled environment. Refer to product Technical Data Sheets (TDS) for acceptable storage temperatures.

LAYER	PRODUCT	TINT	COVERAGE	APPLICATION
Primer recommended	MC Epoxy	Optional	300-600 ft ² /gallon	Flat flexible squeegee, then back-roll with 3/8" nap woven roller.
Base Coat	MC Epoxy	Yes	250-300 ft ² /gallon	5- to 7-mil notched squeegee, then back-roll with 3/8" nap woven roller.
Broadcast	Quartz Granules	N/A	50-100 ft ² /50 lbs	Broadcast quartz/sand into base coat to rejection.
Grout Coat	MC Epoxy	Optional	100-160 ft ² /gallon	Flat squeegee and back-roll with 3/8" nap woven roller.
2nd Broadcast if double broadcast	Quartz Granules	N/A	50-100 ft ² /50 lbs	Broadcast quartz/sand into grout coat to rejection.
2nd Grout Coat if double broadcast	MC-UV Epoxy	Optional	100-160 ft ² /gallon	Flat squeegee and back-roll with 3/8" nap woven roller.
Topcoat (optional)	Ultra HTS	Optional	450 ft ² /gallon	3/8" nap woven roller.

Alternative product options available. Contact UDT for details.

Cleanup

All equipment used in mixing and application should be cleaned immediately after use. Any chemicals must be handled and stored following all health and fire safety precautions.

Maintenance

System life may be extended with periodic inspection of installed material and spot repair as needed. Contact Ultra Durable Technologies for specific information.