

kwörtz flooring system

Kwörtz Flooring System is a seamless decorative resin flooring system. It consists of a clear, 100% solids epoxy resin filled with a variety of graded quartz, marble or ceramic fillers which can be modified to create the best design mix for ideal performance and appearance. A wide selection of gloss and satin finish coats are available for varying appearance and exposure requirements. The finished flooring system can be smooth or textured as per the specifications. The decorative quartz aggregates are available in a series of pre-blended patterns or solid colors.

features & benefits

- Excellent clarity and three-dimensional appearance
- Large variety of decorative quartz color combinations
- Various levels of slip resistance and surface texture
- Excellent durability and long term performance
- Easy-to-maintain, seamless, hygienic surface
- Chemical and stain resistance
- VOC compliant

uses

Commercial & Institutional

- Business office buildings
- Cafeterias/restaurants
- Correctional institutions
- Retail & shopping centers
- Schools/education facilities
- Sports & entertainment venues

Health Care

- Animal holding facilities
- Health care facilities
- Veterinary clinics

Industrial & Manufacturing

- Manufacturing
- Pharmaceutical production

Transportation

- Automotive dealerships
- Transportation terminals

Common Areas

- Aisleways/corridors
- Clean rooms
- Kitchens

- Laboratories
- Lobby areas
- Restrooms & Shower areas
- Warehouse/distribution

kwörtz system application

Kwörtz Flooring System can be installed in different thicknesses and topcoated with 100% epoxy resin, Novolac epoxy resin, or solvent based polyurethane depending upon the performance requirements and application environments. Crack-free installations of Kwörtz Flooring System can be achieved when installed in conjunction with a Perdure FE80 and Perdure MVT. An integral cove base can be installed in areas requiring seamless wall to floor coating.

kwörtz flooring system application steps

	1/16" single broadcast	1/8" double broadcast
STEP 1	Apply a coat of 100% solids epoxy primer—Perdure E02.	Apply a coat of 100% solids epoxy primer—Perdure E02.
STEP 2	Apply a coat of 100% solids epoxy binder—Perdure E10 and broadcast colored quartz granules.	Apply a coat of 100% solids epoxy binder—Perdure E10 and broadcast colored quartz granules.
STEP 3	Apply a coat of 100% solids epoxy binder—Perdure E10/E12.	Apply a coat of 100% solids epoxy binder—Perdure E10 and broadcast colored quartz granules. (1)
STEP 4	Apply one coat of Perdure P70, zero VOC polyaspartic topcoat.	Apply a coat of 100% solids epoxy—Perdure E10. (1)
STEP 5		Apply one coat of Perdure P70, zero VOC polyaspartic topcoat. (2)



Notes

- (1) For high performance, chemical resistant floors, replace Perdure E10 with Perdure NE33, a 100% solids Novolac epoxy coating that is ideal for harsh chemical and solvent resistant applications.
- (2) The application of Perdure P70 is optional when Perdure NE33 is used in Step 4.

Architects / Engineers / Specifiers / Property Manager

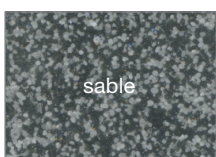
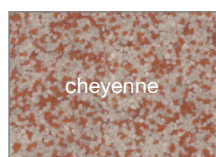
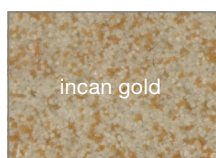
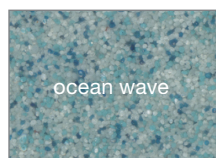
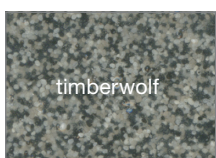
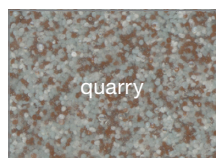
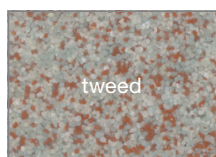
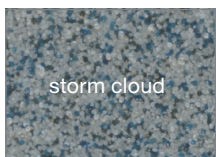
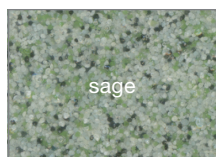
To develop specifications that meet specific requirements of your project, we highly recommend that you contact us.

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engineered to perform

kwörtz flooring system

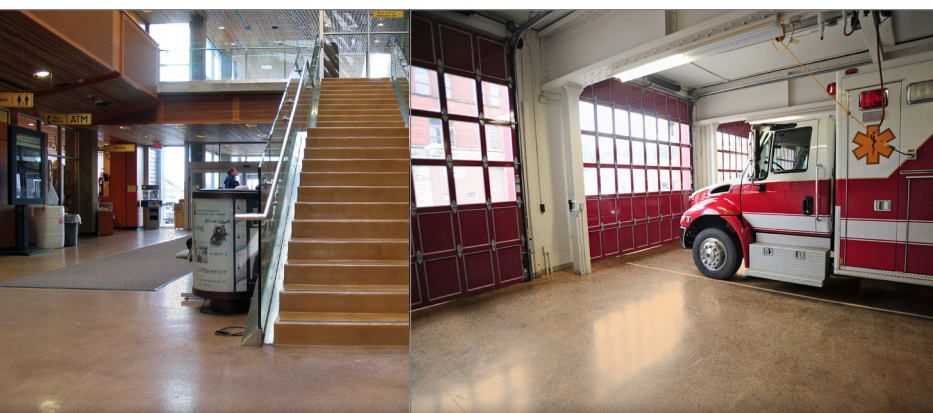
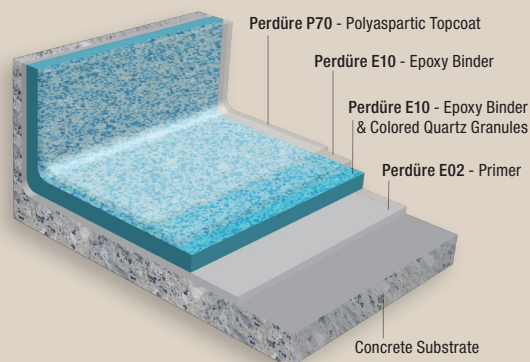
available colors



typical performance properties

Flammability, ASTM D-635	Self Extinguishing
Adhesive Strength, MIL-D-26413	420 psi
Fungus & Bacteria growth	Will not support growth of fungus or bacteria when subjected to mildew and bacteria tests
Hardness, ASTM D-2240	80-84 Shore D
Bond Strength to Concrete, ACI Comm. #503, Bulletin 59-43	400 psi (100% concrete failure)
Resistance to elevated temperature, MIL-D-3134F §4.7.4	No slip or flow at required temperature of 1580F
Coefficient of friction, ASTM D-2047	0.80
Water absorption, ASTM D-570	Nil (<0.05%)
Thermal Shock Resistance, ASTM C-884	Passes
Abrasion Resistance, MIL-D-3134F §4.7.3	Withstands 16ft/lb without cracking, delamination or chipping
Compressive Strength, ASTM C-570, 7 days	12,600psi
Tensile Strength, ASTM C-307	2,600psi
Flexural Strength, ASTM C-580	4,300psi
Thermal of Coefficient of Expansion, ASTM C-531	22 X 10-6

kwörtz system single broadcast



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toll free 1.866.835.6595 ■ fax 1.866.629.4157 ■ duraamen.com

