

THE CUSHIONCRETE SYSTEM

The CushionCrete system uses the unique abilities of ElastoCrete to expand and contract depending on the movement and or deflection of the substrate.

ElastoCrete installed directly over a rubber mat provides a durable surface that provides a more cushioned step.

Ideal for recreational applications (basketball courts) as well any area where anti-fatigue qualities are desirable.



PRIMERS AND SEALERS

Elastocrete has developed a unique acrylic siloxane based primer as well as multiple topcoat options including, high solids urethane and epoxy siloxane.

Our sealers have superior:

- Bonding
- Ease of application
- Color enhancement

APPLICABLE STANDARDS

Performance Characteristics and Testing Results

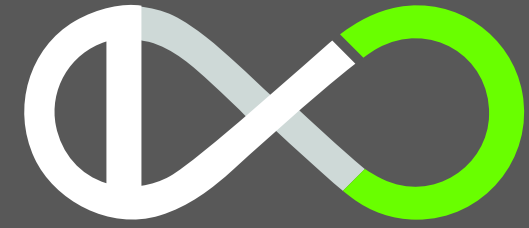
Flexural Strength	ASTM C293	2200 PSI
Compressive Strength	ASTM C109	7500 PSI
Bond Strength	ASTM C1583	420 PSI
Abrasion Resistance	ASTM C779	0.110
Coefficient of Thermal Expansion	ASTM C531	3.886 E-06
Linear Shrinkage	ASTM C531	0.00198
Impact Resistance	MIL-D-3134	No Cracking, No Detachment
Scaling Resistance	ASTM C672	35 cycles-visual rating = 2 50 cycles-visual rating = 3

American Society of Testing and Materials (ASTM)

- **ASTM C109** Standard Test Method for Comprehensive Strength of Hydraulic Cement Mortars
- **ASTM C293** Standard Test Method for Flexural Strength of Concrete
- **ASTM C531** Standard Test Method for Linear Shrinkage and Coefficient of Thermal Expansion of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing and Polymer Concretes
- **ASTM C672** Standard Test Method for Linear Shrinkage and Coefficient of Thermal Expansion of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing and Polymer Concretes
- **ASTM C779** Standard Test Method for Abrasion Resistance of Horizontal Concrete Surfaces
- **ASTM C1583** Standard Test Method for Tensile Strength of Concrete Surfaces and the Bond Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension (Pull-off Method)

United States Military Specifications

- **MIL-D-3134** Military Specification: Deck Covering Materials



ELASTOCRETE



LIMITLESS
CONCRETE

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What is ELASTOCRETE?

ElastoCrete is a two-component, polymer-modified cement with many superior properties compared with traditional cements. It can be used as **flooring, countertops, wall panels, and tables.**

Elastocrete has **reduced risk of cracking** and, when properly cured, **flexural strengths of 2,200 PSI** and **compressive strengths of up to 7,500 PSI** can be achieved. ElastoCrete **bonds to organic and inorganic materials** and can be used over troubled surfaces, wood, rubber underlay, and even commercial carpet with minimal risk of cracking.

Large square footage can be achieved without seams. Additionally, ElastoCrete can be used as an effective asbestos abatement.

ElastoCrete allows **unlimited color options** using regular UV-stable paint pigments.

The strength and flexibility of ElastoCrete significantly decreases the likelihood of damages that may need repair and, in the event repair is needed, ElastoCrete will bond to itself making repairs easy and consistent.

BENEFITS

- Unlimited color options using regular UV-stable paint pigments
- Can achieve almost any look, including stone, GFRC, granite, marble, and quartz
- Ability to bond with troubled surfaces, as well as wood, rubber underlayments and commercial carpet all with minimal risk of cracking
- Weighs approximately 35% of equal size and thickness granite slab
- Can be used with wood and other organic materials with no adverse effects
- Able to cover large square footage areas without seams.
- Bonds to itself indefinitely, making repairs easy and consistent
- Can be installed from feathered edge to slab thickness in the same pour without compromising structural integrity
- Fast cure time: ElastoCrete can be ready to grind in as little as 8 hours
- Inherent anti-microbial properties
- Can be used as an effective asbestos abatement
- Aggregates, glass or other recycled material can be added to the mix
- Will not react with most aggregates including glass (no alkali-silica reaction)

FLOORS

Elastic properties virtually eliminate cracking and allow installation over troubled substrates.

Large square footage can be achieved without seams.

Unlimited floor design options that can be installed over concrete, wood, rubber underlayment or even commercial carpet.

The strength and flexibility of ElastoCrete significantly reduces the need for repair but, if repair is ever necessary, ElastoCrete can be matched and repaired with no visual evidence of a repair.

With ElastoCrete, countertops can

COUNTERTOPS

be poured in place on the job site and be ready to grind in as little as 8 hours.

The color and design possibilities are only limited by your own creativity. ElastoCrete can be made to look like granite, marble, GFRC, solid surface, or your own custom look.

Multiple finishes are available – Polished, Honed, Smooth, Leathered, and more.

