



Technical Data Sheet / *americancrete* Terrazzo Floor

Description

americancrete Terrazzo Floor is a heavy duty polyurethane-based floor which provides excellent resistance to abrasion, chemical attack and other physical aggression. It is trowel applied to produce a heavy duty terrazzo anti-skid surface which is impervious to almost everything, including substantial impact, abrasion and steel wheeled traffic.

americancrete Terrazzo Floor offers the highest level of durability available with a life span of ten or more years in the toughest of environments. It is generally laid at between 1/4 inch and 3/8 inch. *americancrete Terrazzo Floor* is totally non-porous, has excellent chemical resistance. Cleaning is straightforward and because it is impervious, all types of cleaning methods and materials may be used.

Composition

Recycled granite or glass chips or local quarried dolomites are combined in a polyurethane and concrete matrix.

Durability

Highest order of durability, resistances to abrasion impact and chemical attack. Extremely strong and in most cases has physical properties which are approximately double that of concrete. Will tolerate a wide range of organic and inorganic acids, alkalis and salts. It has extremely high bond strength and is stable to steam cleaning.

Thickness

Typical 1/4 inch

Typical Applications

Typical applications are in public high traffic areas such as schools, hospitals, airports, wash-rooms, kitchens, commercial retail, foyers. Brings the aesthetic beauty of terrazzo and the seamless durability of industrial polyurethane together in this innovative and highly practical flooring.

Physical Properties

Compressive Strength	7,500 psi
Tensile Strength	850 psi
Flexural Strength	1,800 psi
Elastic Modulus	1.7 x 10 ⁵ psi
Density	130 lbs. / sq. ft.
Softening Point	260°F / 126°C
Water Absorption (CP.BM 2/67/2) ml	0
Water Permeability	Nil - Karsten Test (impermeable)
Vapour Permeability	ASTM E96:90 3g/m ² /24hrs(at 9 mm thick)

Substrates

Concrete, polymer reinforced screeds, grando concrete, steel, wood, FRP. Check with manufacturer for other substrates.

Cleaning and Maintenance

Regular cleaning is recommended in order to maintain slip resistant, enhance appearance and reduce any tendency to retain dirt. Normal proprietary cleaning agents in combination with pressure washing/steam cleaning may be employed.

Cure Schedule

Cure time to light traffic at 20° C/3/8 inch	4 to 6 hrs
Cure time to light wheeled traffic at 20° C/3/8 inch	12 to 16 hrs
Cure time to heavy duty traffic at 20° C/3/8 inch	24 hrs
Full cure at 20° C/3/8 inch	3 to 5 days

Chemical Resistance

Excellent resistances to organic and inorganic acids, alkalis, fuel and hydrolic oils, aromatic and aliphatic solvents.

Colours Available

Available in *americancrete Terrazzo Floor* colours – Black, Brown, Gold and Cream. Custom colours available. Two sizes of granite chips available. Email request for cured samples.

Health and Safety

See MSDS sheets.

Website: www.americancrete.com