

# Durex® MarbleTech

## Self-Leveling Granite Replicating Epoxy Floor System

- Description** Durex® MarbleTech is a liquid applied decorative epoxy floor system that replicates a Marble Slab. Installed by specially trained applicators, it is a three-step system that produces a resinous and seamless marble-like finish that is customized by the installer. Durex® MarbleTech incorporates a coloured epoxy-based primer, a thixotropic solid-coloured epoxy coating with marble veins that are artfully installed, with a clear abrasion resistant topcoat sealer to yield a long wearing decorative floor.
- Uses** Durex® MarbleTech is used as a decorative flooring system to product a long-term, low maintenance floor for high traffic retail, commercial, residential and institutional applications. The finish topcoat is available in smooth or fine texture to provide sure footing and anti-slip properties. Veining and colours can be customized as desired.
- Ideal For**
- Replaces marble and other decorative flooring products
  - Decorative flooring applications subject to high traffic
  - Offices and high-end buildings
  - Variety of commercial and retail applications
- Features**
- Fast and easy installation for a Marble-like decorative appearance
  - Very low odour (depending on topcoat)
  - Economical and durable floor with excellent colour retention properties
  - Resistant to contaminants such as salt and light chemicals
  - Will not support growth of fungus or bacteria
  - Customizable Aesthetics. Limitless options.

TECHNICAL DATA

PERFORMANCE CHARACTERISTICS

TEST	METHOD	RESULTS
Compressive Strength @ 7 days	ASTM C 579	11,500 psi
Tensile Strength	ASTM C 307	2,250 psi
Flexural Strength	ASTM C 580	4,500 psi
Water Absorption	ASTM C 413	0.1%
Flammability	ASTM D 635	Self-extinguishing
Impact Resistance	ASTM D 2794	16 ft/lb (Concrete fractures)
Indentation	MIL D-3134F	No indentation
Bond Strength	ACI 503R	350 psi (Substrate failure)
Coefficient of Friction	ASTM D 1894-61T	0.4
Thermal Coefficient of Expansion	ASTM D 696	0.000046 per inch per -18°C
Abrasion Resistance CS-17 wheel, 1 kg. load, 1000 rev.	ASTM D 4060	0.1 mg. max weight loss
Thermal Shock Resistance	ASTM C 884	Pass

<b>Packaging</b>	Durex® MarbleTech is made to a customized colour scheme. This product is available in multiple standard colours. Custom colour matching can also be attained at an additional cost. Please refer to the <i>Durex® Colour Selection Guide</i> for all available colour options.
<b>Storage Conditions</b>	Store Durex® MarbleTech materials and accessory products in a dry, vented, waterproof location, stacked off the ground, out of direct sunlight and other detrimental conditions. Store liquid materials at ambient temperatures above 10 degrees C and below 35 degrees C. KEEP FROM FREEZING.
<b>Surface Preparation</b>	Durex® MarbleTech is to be applied over prepared concrete substrates. Substrate must be sound, clean, properly prepared by shot blasted to achieve a surface profile consistent with ICRI CSP 3, be free from hydrostatic pressure and high levels of moisture vapour transmission. Do not apply this over an on-grade slab with high moisture levels or any impermeable finish. Flooring joints to be properly prepared and filled. Please consult Durabond Technical Services for further information.
<b>Application</b>	<p>Durex® MarbleTech must be installed by an authorized and specifically trained installer. It consists of a thixotropic epoxy combined with a tinted 100% solids epoxy resin base veining material and is to be applied at a nominal 2 mm thickness. Prime surfaces with Durex® Epotel Multi-Prime pigmented to a matching colour and top coat cured flooring with a clear top coat for specified finish, performance characteristics and texture. Durex® MarbleTech must be applied on flat surfaces. Surface must be level to within 4 mm per 2.5 m to install.</p> <p>Termination strips to be installed where required after substrate has been properly prepared. Termination strips must be used to separate different colours and to facilitate large application areas, room transitions and design features.</p> <p><b>STEP 1 PRIMER:</b> Floor to be primed with Durex® Epotel Multi-Prime tinted in accordance with the Durex® MarbleTech colour. Premix components, then add Part A and Part B and mix with a low-speed drill for two minutes. Pour onto substrate in ribbons and apply with a squeegee. Cut in with brush and back roll with a short nap roller. Do not allow primer to puddle. Application rate should be 8 mils or 200 sq.ft. per gallon, but will vary depending on the condition of the substrate. Allow primer to cure. Sand and solvent wipe primed surface exposed for periods greater than 24 hours. Extremely rough and/or porous substrates may require two coats of primer. Please consult Durabond Technical Services for further information.</p> <p><b>Step 2 DECORATIVE COATING:</b> Premix liquid components of Durex® MarbleTech, then blend Part A and Part B and mix with a low speed drill for 90 seconds.. Immediately pour mix onto the floor surface in ribbons and level with a Cam-Rake gauged at 2 mm and de-aerate with a fine spiked roller. Decorative veining in a contrasting colour is then applied to the desired and pre-selected aesthetics.</p> <p><b>Step 3 TOPCOAT:</b> A variety of Durex® topcoats are available in smooth, or with a fine grit and in various gloss levels to provide protection against UV exposure, wear and chemical attack. Durex® Durathane 90, Polyuretel and Durex® Acrutel 100 are used for Matte and Satin finishes. Premix specified components then blend coating components A and B for two minutes. Spread topcoat onto floor in ribbons, roll out material with a 10mm lint-free phenolic core roller, and lightly back roll with a lint-free roller to smooth out roller marks. Consult with a Durabond Technical Representative for further assistance.</p>
<b>Care &amp; Maintenance</b>	Allow Durex® MarbleTech to cure a minimum of 48 hours at 20 degrees C before use. Gentle cleaning practices are suggested within the first week of use. Good housekeeping and spill removal practices will prolong the service life of the floor. Stains should be removed as soon as possible.
<b>Limitations</b>	Substrate must be sound, clean, properly prepared, level to within 3 mm over 3 m and free from hydrostatic pressure and high levels of moisture vapour transmission. As is the case with any impermeable floor coating, any concrete slab on grade to receive this product should be tested for moisture content while in the planning and estimating stages. Product should only be installed if moisture content falls within acceptable range. Please consult Durabond Technical Services for further information.
<b>Health and Safety</b>	Use under well ventilated conditions with appropriate respirator approved for organic vapours and rubber gloves when handling the product. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water and seek medical attention if irritation occurs. Harmful if swallowed. Do not induce vomiting. Drink 1-2 glass of water or milk. Keep product out of reach of children. Read published Material Safety Data Sheet for additional information.

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**Warranty**

Durabond warrants this product is free of manufacturing defects, and will replace at no charge, provided it has been applied within 12 months of purchase, it has been installed for uses suitable for this product and in accordance with the manufacturer's instructions.

**Technical Services**

Technical support is available upon request at [info@durabond.com](mailto:info@durabond.com). Data sheets are subject to change without notice. Please visit our website at [www.durabond.com](http://www.durabond.com) for the most current information, or call toll free at 1-877-DURABOND (387-2266).

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