

### Product Description

DuraDek One is a stampable cement-based topping for beautifying both interior and exterior concrete surfaces. For existing plain concrete, it creates textures that resemble a whole array of designs: tile, cut stone, slate, boardwalk, brick, cobblestone, etc. with traditional concrete stamping tools. Costly tear-out and replacement of existing concrete is eliminated. It offers restoration, repair, resurfacing, architectural accenting, and surface protection of existing concrete. Add TropiCrete Color Packs for integral color concrete or topcoat to achieve your beautiful flooring system.

### Recommended Substrates

- New & existing properly prepared concrete floors
- Patios, pool decks, concrete driveways, floors & walkways

### Product Features (cured 28 days)

- |                        |            |           |
|------------------------|------------|-----------|
| • Compressive strength | ASTM C190  | 4,350 psi |
| • Flexural strength    | ASTM C348  | 945 psi   |
| • Tensile strength     | ASTM C190  | 440 psi   |
| • T-Bar Adhesion       | Durock     | 190 psi   |
| • Sheer Bond Adhesion  | ANSI 118.4 | 280 psi   |
| • Abrasion resistance  | ASTM D4060 | 0.55      |

### Product Limitations

- Do not apply if air, product & substrate temperature is <50 or >100° F. Expect longer dry times at lower temperatures & higher relative humidity.
- Not for immersion service, must achieve adequate surface profile
- Do not apply over existing coatings, all existing coatings must be removed.
- Do not use dirty water, containers or rusty tools.
- Do not use Tropicrete 6085 Retarder and 6086 Accelerator in combination.
- Top coat will determine horizontal traffic limitations.

**Application:** Hand trowel or guage rake  
**Flash Point:** Non-Flammable >200°F  
**Clean Up:** Warm soapy water  
**Available bases |** White  
 Select from 6 TropiCrete color packs.

### Product Data

Product Type: **Proprietary Polymer**

**6061**

Gloss @60°: 1 - 5

Wt Solids ±2%: N/A

Vol Solids ±2%: N/A

Wet Film Mils: N/A

Dry Film Mils: N/A

Coverage / 60# Bag \* 20 - 25

\* applied at 1/4" thickness; coverage will vary by substrate condition, surface profile and applied thickness.

VOC gms p/L\*\*: <50

\*\* less exempt solvents and before the addition of colorant

Viscosity KU ±5: N/A

Dry time @ 50% RH\*\*\*: 1-2 HRS to touch

4-6 HRS to recoat

2-3 Days for light foot traffic

5-7 Days for vehicular traffic

Pot Life 30 Min @ 77°F & 50% Relative Humidity

\*\*\* dry times, pot life & recoat times listed may vary according to the relative humidity, temperature, applied thickness and air movement of the application environment.

### Horizontal Traffic Types:

Light Foot Traffic	Y	Light Vehicular Traffic	Y
Heavy Foot Traffic	Y	Forklift	N
Steel Wheel Carts	N	Heavy Vehicle & Equipment	N

### Return to Service Time Chart ^

@ 77°F & 50% Relative Humidity

Light Foot Traffic	1-2 Days	Light Vehicular Traffic	7 Days
Heavy Foot Traffic	2-3 Days	Forklift	N/A
Steel Wheel Carts	N/A	Heavy Vehicle & Equipment	N/A

^ May vary by relative humidity, temperature, film build, color & air movement of the application environment.

### Minimum Recommended Top Coats by Horizontal Traffic Type\*

<b>Light Foot Traffic</b>	6020 TropiCrete Premium 100% Acrylic Deck Coating	
<b>Heavy Foot Traffic</b>	6120 TropiCrete Heavy Duty 100% Acrylic Deck Coating	
<b>Steel Wheel Carts</b>	6920 TropiCrete Color & Seal Solvent-Based Sealer	6540 TropiCrete Interior Waterborne 2-Part Epoxy Floor Coating**
<b>Light Vehicular Traffic</b>	6920 TropiCrete Color & Seal Solvent-Based Sealer	10550 Dek-Shell 1-Part Moisture Cured Clear Aliphatic Urethane Gloss
	5140 Sundeavor 2-Part Aliphatic Urethane Gloss	

\* Or approved equal

\*\* Interior use only

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## DuraDek One 1-Part Stamp Overlay

Stamp Mix • 6061

**Mildew:** Surface areas affected by mildew should be treated with a commercial mildew removal and/or wash product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

**Surface Preparation:** TropiCrete DuraDek is a decorative finish material for use over hard, sound and clean concrete (It will not correct bad concrete). Clean area and remove all unsound concrete, grease, oil, paint, and any other foreign materials that will inhibit performance. The minimum concrete surface profile (CSP) must be CSP 1-3, in accordance with ICRI standards. Follow the procedures given below or referenced in these or other applicable industry standards:

ASTM D 4258 - Practice for Surface Cleaning Concrete for Coating  
ASTM D 4620 - Practice for Acid Etching Concrete.

ASTM D 4259 - Practice for Abrading Concrete  
ICRI #03732 - Selecting & Specifying Surface Preparation for Sealers, Coatings & Polymer Overlays

**Test Patch:** It is recommended that a test patch be made on a small section if unfamiliar with surface or product. Examine the patch after several days to determine if a good bond has been obtained. Before application, saturate the substrate with water to a SSD (saturated surface dry) condition. Very porous concrete surfaces will require several applications of water to insure complete saturation. Repair or replace all rusted reinforcing steel, spalled, cracked and deteriorated concrete before applying TropiCrete DuraDek.

### Mixing Procedure and Equipment:

A 1/2" mortar mixer and a mixing paddle with a 5 gallon pail are sufficient. The 1/2" mortar mixer must be a slow or variable speed mortar mixer to control the shear and mixing speed. Mix ratio is 50 pounds of TropiCrete DuraDek One Stamp Overlay to 5 - 6 quarts of water. Color packs may be added at this time for integral color projects. Always add dry products to liquids, approximately 1/3 of the bag at a time using the mortar mixer to avoid clumping. If the sides of the mixer develop dry powder buildup, scrape sides and continue mixing until powder and lumps break up in the mix. A slight resin adjustment may be necessary to obtain desired consistency. Let stand approximately 2 minutes. Check for premature hardening or "flash set". Should TropiCrete DuraDek be too stiff, add 1 fluid ounce of 6085 TropiCrete Slow Down Retarder and spin into mix. Let stand 2 minutes and check again for hardness. If the mix is still too stiff, repeat by adding 1 fluid ounce of retarder and spin into mix. Do not exceed 4 fluid ounces. Once consistency is attained, repeat procedure on next batch. The retarder is a liquid retardant formulated to slow the speed at which the TropiCrete DuraDek hardens and increases the open time due to warm conditions. Keep lid closed on unused product.

### DO NOT MIX MORE PRODUCT THAN CAN BE APPLIED IN 30 MINUTES

#### Low Temperature Acceleration Instructions:

The addition of 6086 Speed Up Accelerator will accelerate the mix to a normal set. One (1) ounce of accelerator may be added for temperatures ranging from 50° - 69° F.

**DO NOT APPLY PRODUCT IF TEMPERATURES ARE LESS THAN 50°F OR EXCEED 100°F or high wind conditions. DO NOT use retarder and accelerator in combination.**

#### Coverage:

One 50 lb. (22.7 kg.) bag covers 20-25 square foot area at 1/4" thick, but can be applied at up to 1/2" thickness per application. Coverage will vary depending on desired stamp patterns. Follow instructions under Application.

#### Application:

**Base Coat:** First cure the substrate by applying undiluted 6065 TropiCrete DuraDek Resin Fortifier as a coat of paint, using a push broom to form a continuous film over entire surface to receive base coat. Let dry and check for pinholes by pouring a small amount of water on the surface. If pinholes are visible; reapply 6065 TropiCrete DuraDek Resin Fortifier, let dry and check again. Apply basecoat to the surface while 6065 TropiCrete DuraDek Resin Fortifier is tacky, apply in small areas by using a push broom.

**Stamp Mix:** Apply mixed Stamp Mix with a hand trowel or gauge rake to desired thickness, up to 1/2" per application. DuraDek Stamp Mix can be imprinted or textured using different designs of concrete stamps. A liquid release agent shall be applied evenly to the surface and the stamps prior to imprinting. While the mix is still setting, the concrete stamps shall be applied to the surface.

**Top Coat:** Once cured, the DuraDek Stamp Mix may be topcoated with a pigmented coating or a clear coat if the integral color packs are used. Follow application and return to service guidelines listed on the topcoat's product data sheet.

**Designed to be used by trained contractors. Professional Use Only!**

#### SAFETY:

**CAUTION: Avoid prolonged contact with skin, and breathing of dust, vapors and/or spray mists. Causes eye irritation. USE WITH ADEQUATE VENTILATION! Ensure fresh air entry during application and drying. If you experience eye water, headache or dizziness, or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriately fitted respirator, (NIOSH approved), during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin and clothing. Use chemical safety glasses, goggles or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. DO NOT TAKE INTERNALLY!**

**Caution!** There is the potential to release lead dust if you sand scrape or remove old paint. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. If adequate ventilation is not possible, wear a NIOSH approved respirator to avoid inhalation of the particles and wear clothing designed to prevent skin contact. Clean up carefully with a HEPA vacuum and a wet mop. Before starting your project, you can find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or visit their website at [www.epa.gov/lead](http://www.epa.gov/lead).

**DO NOT TAKE INTERNALLY! FIRST AID:** In case of skin contact, wash thoroughly with appropriate cleaning solvent followed by plenty of warm soapy water. For eye contact, flush with plenty of water for 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION! If affected by inhalation, move immediately to fresh air. If swallowed, DO NOT INDUCE VOMITING, SEEK IMMEDIATE MEDICAL ATTENTION!

### Storage and Disposal

Product should be kept from freezing temperatures or temperatures above 95°F. Refer to your local city or county government for instructions on disposal options.

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