

DESCRIPTION

Überdek is a single component polymer modified concrete formulated to resurface existing concrete surfaces. It is a very cost-effective solution to expensive and time consuming concrete replacement. It can be applied over horizontal and vertical concrete surfaces that are worn, spalled and distressed. It is suitable for decorative trowel finishes or simply broom finishes on sidewalks, driveways, garage floors, patios, walkways, pool decks and stairs. The result is renewed surface accepting foot traffic in as little as 2 hours and rubber tire traffic within 8 hours. It is typically applied with a steel finishing trowel, squeegee, masonry brush for curbs or steps and broom finished.

ADVANTAGES

- Single component – just mix water on site
- Specialty polymers promote excellent bond to the existing concrete substrate
- Self curing, no additional curing methods needed
- Versatile - allowing for decorative trowel and broom finishes
- Freeze/Thaw stable
- Compatible with most sealers, dyes and stains
- Quick turnaround, ready for foot traffic in two hours
- Provides a slip-resistant surface

APPLICATION

SUBSTRATE REQUIREMENTS

- Surface must be solid, completely clean, free of oil, wax, grease, sealers, curing compounds, asphalt, paint, dirt, loose surface material and any contaminants that will act as a bond breaker.
- Weak concrete surfaces must be cleaned down to solid sound concrete by mechanical means such as scarifying or high pressure washing and exhibit a profile of CSP2 or greater.
- The area should be saturated surface dry (SSD) with no standing water prior to application.
- Concrete substrate and ambient temperatures must be between 40°F and 95°F. Temperatures must be maintained within this range for at least 8 hours after the installation of Überdek.
- Moving joints such as expansion joints must be clean and reflected through Überdek. Larger moving cracks must be repaired with a cement based patching compound. Repaired areas must be set firmly prior to applying Überdek.

- Crack repairs should be allowed to cure and set completely prior to resurfacing with Überdek. It is possible that the existing cracks, particularly those that move even when repaired, may mirror through the thin layer of Überdek.

MIXING

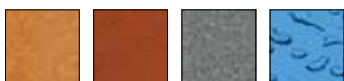
- For each 50lb bag of Überdek, add 4.0quarts to a maximum 5.5 quarts of clean potable water into a mixing drum. Then add the product slowly from the bag into the mixing drum while mixing at full speed with a paddle mixer attached to a heavy duty 1/2" drill. Mix completely for a minimum of 2-3 minutes until it is lump free.
- When adding integral colorants (powder/liquid), add to mix water and stir for 30 seconds before adding Überdek.
- Do not mix more material that can be applied withn 20 minutes.
- DO not mix more water or re-temper. This will reduce the strength as well as color of the cured product.
- When rain is expected, do not apply before the material can be well cured or a sealer can be applied.

INSTALLATION

- Überdek should only be applied to a properly prepared substrate. Remove any material that interferes with bond including dust and dirt by brooming and vacuuming, including expansion joints. The expansion joints should be marked to prevent being filled by Überdek.
- Pour the mixed Überdek onto the saturated surface dry (SSD) substrate. Then spread with a squeegee, of flat trowel using enough pressure to ensure good contact with the entire surface. If finishing with a broom, work in areas small enough for easy access for broom finishing without having to walk on the the freshly applied Überdek. A broom finish needs to be applied within 10-15 minutes of applications while the product is still fresh.
- On vertical installations, such as stairs, trowel Überdek directly onto the properly prepared distressed area and finish as desired.
- Ubderek can be applied at a thickness of up to 1-1/2" and accept foot traffic after 2 hours, and rubber wheel traffic after 8 hours at 70°F.

CURING

- Überdek is self-curing; do not use a damp curing method.
- Do not allow the product to freeze or be exposed to rain if such should occur within 24 hours of placement.
- Überdek can be sealed with compatible water based sealers within few hours of installation at 70°F.



CLEAN UP

Wash hands and tools with water promptly before material hardens. Cured material must be mechanically removed.

COVERAGE

Überdek yields 100 ft² per gallon per bag at 1/16inch thickness.

AVAILABILITY

Überdek is available throughout the United States and Canada. Contact Duraamen representative in your area for details.

TECHNICAL SERVICE

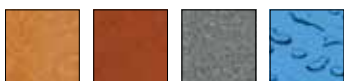
Duraamen Engineered Products, Inc. provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces.

TECHNICAL DATA

Working time	20 min @ 70°F
Initial set	60 min @ 70°F
Final set	120 min @ 70°F
Mixing water	4.0 – 5.5quarts of water for 50lb bag
Compressive strength (ASTM C 109)	1 Day 2400psi
	7 Days 3600psi
	28 days 5000psi
Flexural strength	1000psi
Shelf life	6 months

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