

Uberdek

versatile concrete resurfacing compound



DESCRIPTION

Uberdek is a 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. It is typically applied with a steel finishing trowel or squeegee.

ADVANTAGES

- 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
- Compatible with stencil applications
- Provides a slip-resistant surface

RECOMMENDED APPLICATIONS

- Resurfacing damaged and discolored concrete surfaces
- Resurface hard surfaces like ceramic or porcelain tiles after proper surface preparation
- Resurface driveways, patios, garages, sidewalks, pool decks, porches
- Spraydown and knockdown applications
- Stenciled Concrete Applications

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.
- Concrete substrate and ambient temperatures must be between 10°C and 35°C. Temperatures must be maintained within this range for at least 8 hours after the installation of Uberdek.

- Moving joints such as expansion joints must be clean and reflected through Uberdek. Larger moving cracks must be repaired with a cement based patching compound. Repaired areas must be set firmly prior to applying Uberdek. Crack repairs should be allowed to cure and set completely prior to resurfacing with Uberdek. It is possible that the existing cracks, particularly those that move even when repaired, may mirror through the thin layer of Uberdek.

MIXING

- Dilute CP1000. Mix 2 parts CP1000 and 1 Part Water.
- The mixing ratio is 6.0–6.5 liters of diluted CP1000 with one 22kg bag of Uberdek. Using this ratio, Make each batch small enough for a 15-minute working window, as Uberdek must be applied within 15–20 minutes. Mix thoroughly for at least 4 to 5 minutes or until the mixture is lump free.
- When adding integral colorants add them to the CP1000
- 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.

PRIMING

- Prime the surface with CP1000. Porous substrates shall be primed at least twice.
- Allow the primer to dry for 2 to 4 hours before applying the first coat of Uberdek

INSTALLATION

- Uberdek 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 Uberdek.
- Pour the mixed Uberdek onto the saturated surface dry (SSD) substrate. Allow it to dry for at least an hour before applying Uberdek.. 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 freshly applied Uberdek. 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 Uberdek directly onto the properly prepared distressed area and finish as desired.
- Uberdek can be applied at 1/16" to 1/8" in single lift. Multiple lifts can be applied to increase the thickness.

CURING

- Uberdek 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.
- Uberdek can be sealed with compatible water based sealers after having cured for at least 24 hours at 20°C.

STAINING

Allow Uberdek to dry completely before applying a stain (AquaColor or Dye). Always test prior to use.

SEALING

Allow Uberdek to dry completely (at least 24hr at 20°C) before sealing with Dekguard to Perdure P72

CLEAN UP

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

COVERAGE

It depends up on the substrate condition, application method and thickness. One bag of Uberdek covers 150 to 200 sq.ft. at 1/8" (3 to 4mm) or 350 to 400 sq.ft. at 1/16" (1 to 2mm) thickness

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. @ 20°C
Initial Set	60 min. @ 20°C
Final Set	120 min. @ 20°C
Mix Ratio	6 to 6.50L per 22kg bag
Compressive Strength (ASTM C 109)	
1 Day	169kgf/cm ²
7 Days	253kgf/cm ²
28 days	352kgf/cm ²
Shelf Life	12 months when stored in cool and dry conditions.
Foot Traffic	12 to 24 hours (depending on temp & relative humidity)
Wheel Traffic	24 hours minimum
Application Temp	10°C to 30°C
Flexural Strength	56kgf/cm ²

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