

Summary Data

COVERAGE

1 bag = 60 sq. ft.
@ 1/8" Thickness

PERFORMANCE CHARACTERISTICS

- One-coat application – apply in one coat or as multiple coats
- Direct apply to virtually any substrate – use with or without lath
- Spray or trowel apply
- Superior aesthetic finish – texture, stamp, or carve
- Enhanced bonding strength
- Impact resistance significantly higher than EIFS
- Fiber reinforcement provides impact strength and reduces potential cracking

PRODUCT HANDLING

- **Packaging** – 50 lb. waterproof plastic bag and one-gallon plastic bottle
- **Shelf Life** – 12 months when properly stored
- **Storage** – Transport and store in unopened containers in cool, dry conditions

DESCRIPTION

CarpenterStone EarthBond One-Coat is an environmentally friendly, one-coat cementitious (ECC – Engineered Cementitious Composite) application. The product is designed as a direct- apply one coat application that saves time and labor costs. It does not require two or three coating applications as traditional stucco products require. However, if you prefer to apply in two coats (i.e. one structural coat and one as the finish/texturing coat), this is acceptable.

EarthBond One-Coat is designed for both interior and exterior surfaces, including exterior walls, entry/accent walls, columns, and any other vertical surface or wall.

EarthBond One-Coat is formulated to provide excellent bonding to new as well as existing concrete, concrete block, foam, drywall, plaster, wallboard, and even painted surfaces. Also, due to the fiber reinforcement, the mix strength eliminates the need for lath, though the coating may be used over lath if so desired.

FEATURES

CarpenterStone's EarthBond One-Coat provides for pleasingly textured and colored surfaces when used in conjunction with integral tinting and clear or colored sealers. In addition to the wide variety of traditional textures and finishes that can be created by experienced tradesmen, the surface can also be carved or stamped in-place to further enhance the final aesthetic. The finished product is strong with high impact. The fiber also provides high flexural strength and serves to reduce potential cracking. The coating can be applied from 1/16" up to 3" in thickness, fill gaps, and finish. The mix has excellent workability and bucket life.

COMPONENTS

EarthBond One-Coat is a two component bag mix, that when mixed together provides the markets' only direct apply, one coat solution. Also, since you only need to add the liquid modifier to the ingredients pre-blended in the bag, it is the ultimate user-friendly application.

SURFACE PREPARATION

Remove all laitance, efflorescence, chemical contaminants, grease, oil, old loose paint, rust, algae, mildew, and other foreign matter (such as dirt and dust) that may serve as a bond breaker. The prepared surface must be clean and structurally sound.

The substrate must be 40°F and rising before installation and during the curing period (at least 48 hours). If applied over concrete or concrete block, a bonding agent may be used.

APPLICATION

Add one bag of the dry ingredients into the mixer and add one gallon of the modifier and mechanically mix to yield a lump-free flowable consistency. If necessary, up to an additional 32 oz. of water may be added to enhance flowability; however, this can increase cracking and decrease strength so this should be avoided unless necessary. Apply the coat via spray or with a hawk and trowel to desired thickness.

Follow recognized industry standards for substrate preparations such as for joints, etc. A second base coat may be applied if desired, but is not necessary. Before the coating has dried, patterns may be stamped or stenciled into the finish surface. The coating may be integrally tinted to provide a contrast with finish coat that creates detailed or intricate grout lines in finished product and/or stained to add further interest.

CURING

Allow to air cure after application. Care should be taken when weather conditions impart variables that may cause the mixture to dry out too quickly. High heat, sunlight and especially windy conditions may be detrimental to the proper curing of the texture. Attempt to minimize application during such harsh conditions by working during cooler hours, keeping all materials shaded prior to mixing and setting up plastic or temporary walls to block wind. Keeping the surface moist with a fine mist of water during the initial 24 hours of the curing period also aids the hydration process. Also, if possible, protecting the surface from direct sunlight, wind, rain, and frost during the curing period will further optimize conditions. ***CarpenterStone Spray and Trowel*** should achieve initial set in approximately 8 hours.

LIMITATIONS

Do not allow ***CarpenterStone One-Coat*** modifier to freeze. Apply when in temperatures are between 40° and 100° F and will remain so for 24 hours. Of course, cold mixing water and low temperatures will retard the setting time and hot water and high temperatures will accelerate the setting time. This product should be applied by competent contractors experienced in its placement. And, as we all know, the water ratio should be carefully monitored. Adding excess water will weaken the end product.

CLEAN UP

Tools and equipment may be cleaned with water immediately after use. If allowed to set, clean up will be more difficult and the cured material may have to be removed mechanically.

DISPOSAL

All material must be disposed of according to all local, state or federal regulations.

FIRST AID

This is a Portland 1 cement product. In case of contact with skin, wash thoroughly with soap and water. For eye contact, flush immediately with water for at least 15 minutes and contact a medical professional for assistance. Avoid breathing the dust, if possible. If respiratory problems arise, move the personnel to fresh air.

TECHNICAL DATA

PHYSICAL STATE AND APPEARANCE		Fine, white or gray powder
DENSITY		110 lbs. /cu. ft.
FIRE RESISTANCE		Non-combustible
COMPRESSIVE STRENGTH	ASTM C-109	28 day PSI – TBD
ABRASION RESISTANCE,	Modified Taber	28 days % loss – 500 cycles – TBD
FLEXURAL STRENGTH	ASTM C-348	28 day PSI – 1,100