carpenterstone®

Countertop

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Technical Data

COVERAGE

1 bag = 10 sq. ft.
@ 1/2" Thickness

TECHNICAL DATA

- Compressive Strength (C170) 10,567 PSI
- Flexural Strength (C880) 1,464 PSI
- Abrasion Resistance (C1353-96) 20.92
- Bond Strength (C482) 83 PSI
- Material Density 135 lbs./cu. ft.
- Water Permeability (Not ASTM) 3 days/no leak

CURING

Although curing is accomplished through chemical reaction, weather conditions impart a measure of variability that must be considered. Hot, dry, and/or windy weather speeds up the reaction. Conversely, cold, damp weather will slow down the reaction. These variables may dramatically affect the progress of the countertop cure. Common sense should dictate appropriate adjustments in timing the project. Customarily countertops are cast in a controlled environment.

DESCRIPTION

CarpenterStone Countertop is a dual component countertop bag mix that greatly reduces the materials and labor required to construct a traditional concrete countertop. With the wide range of color selection and aggregate loading, deisgn considerations are nearly limitless. CarpenterStone Countertop provides a resolutely durable surface for a pleasing countertop for any installation.

USES

CarpenterStone Countertop can be used for residential, commercial, or industrial countertop, cash wraps, serving surfaces, reception areas, etc. It's versatility also allows for the fabrication of precast, cast-in-place, or the unique capping of existing cabinetry. It may also be used to fashion extreme design furniture and produce any manner of durable architectural panels.

Chemical Makeup

CarpenterStone Countertop combines the most advanced chemical technology with modern fiber advancements, to create an unparalleled countertop mix design. This technology binds the raw materials of cement and sand with other ingredients into a stronger, denser cementitious composite than ever before possible, while providing enhanced user-friendly attributes to maximize design production techniques.

APPLICATION

Mix one gallon of the **CarpenterStone Countertop Modifier** into one 50-lb. bag of dry ingredients; and, add one color pack to integrally tint, if desired. (Add the color pack to the modifier and mix prior to introduction to the dry mix to ensure a thorough, homogenous mix of the color throughout the mix.) Mechanically mix for at least five minutes after all of the ingredients are combined to produce a lump-free consistency.

Pour the mixed material into the selected form. While vibration is not required, it will help the material to fill the form level, enhance readability, and reduce pin holes that may have been created by trapped air. However, if so, do not vibrate vigorously as this may lead to segregation of the fibers.

Decorative aggregates may be loaded throughout the mix through adjustments to the mix design. Alternatively, aggregate or other decorative elements may be added or seeded into the base of the form prior to placing the mix.

After approximately four hours, the countertop may be pulled from the form. If desired, after approximately eight hours, the countertop may be polished with diamond pads. Any pinholes may be filled with a slurry mix. Secondary coloring may be applied, if desired.

Final sealing selection is dependent upon the desired finish, ranging from the simplicity of Butcher's Wax to the high build and gloss look, or a simpler, more natural concrete-look.