



# Pro Pack™ Countertop Admixture

## Technical Data Sheet PPCA-0213

**FOR PROFESSIONAL USE ONLY.** Read all applicable and current product information for your project: Technical Data Sheet (TDS), Color Chart, Installation Guide, Material Safety Data Sheet (MSDS). All information is available for download online at [www.butterfieldcolor.com](http://www.butterfieldcolor.com) and at point of purchase.

MasterFormat™ Guide Specifications, and Butterfield Color® Architectural Details and Specifications are available for the specifier/designer. All information is available for download online at [www.butterfieldcolor.com](http://www.butterfieldcolor.com) and at point of purchase.

**1. Description:** Pro Pack™ Countertop Admixture is designed to be combined with most standard concrete bag mixes and mixed with water. One admixture pack combined with either an 80 lb. bag or a 60 lb. bag of standard concrete mix will convert most economical concrete bag mixes into high performance concrete countertop mix.

**Benefits:** Pro Pack™ Countertop Admixture increases strength, reduces shrinkage, improves finishing characteristics, accelerates set time and allows decreased water cement ratio. Pro Pack™ Countertop Admixture is packaged in cement gray color. The mix may be colored with Butterfield Color® Uni-Mix® Integral Color Packs (2 color packs per unit are required). 24 Standard colors are available. Refer to the Uni-Mix® Integral Concrete Colorant color chart and the Select Grade™ Integral Concrete Colorant color chart for available colors. Note: When Pro Pack™ Countertop Admixture and concrete bag mixture is mixed with a Butterfield Color® Uni-Mix® or Select Grade™ Integral Color Pack, the cured color may vary due to differences in cement. Mixes containing Pro Pack™ Countertop Admixture may be stained by applying Perma-Cast® Sierra Stain™ or Elements™ Transparent Concrete Stain. Read the Perma-Cast® Sierra Stain™ and Elements™ Transparent Concrete Stain Technical Data Sheets for more information before installing product. All information is available for download online at [www.butterfieldcolor.com](http://www.butterfieldcolor.com) and at point of purchase.

**2. Limitations:** Pro Pack™ Countertop Admixture is designed to be combined with most standard concrete bag mixes and is not be used as a stand alone product. Pro Pack™ Countertop Admixture is quality controlled to insure consistency in every

batch. However, we cannot guarantee that all the manufacturers of the bagged concrete mix adhere to those same standards. Some high performance mixes may have additives that are incompatible with Pro Pack™ Countertop Admixture. We recommend a representative sample be made with the bagged concrete mix you intend to use to be sure you are satisfied with the results.

**3. Packaging:** Pro Pack™ Countertop Admixture is available in 34 lb. bags (15.42 kg) bags.

**3.1 Shelf Life:** 1 year in original, unopened containers, in a climate controlled dry storage area.

**4. Coverage:** One Pro Pack™ Countertop Admixture pack mixed with an 80 lb. standard bagged concrete mix should yield approximately .875 cu. ft. When mixed with 60 lb. standard bagged concrete mix, the yield should be approximately .75 cu. ft.

**5. Mixing:** A rotary concrete mixer or a low speed drill and mixing paddle with a 15 gallon mixing vessel may be used. Prior to mixing, store all materials in a shaded or cool environment. Mix and install when surface and ambient temperatures are between 50°-85°F (10°-30°C). The amount of mix water can vary due to the type of bagged concrete mix that the Pro Pack™ Countertop Admixture is being added to. It will usually require between 4.75 quarts (4.5 L) to 6.00 quarts (5.68 L) of potable water per combined concrete bag mix and Pro Pack™ Countertop Admixture pack. Once water demand is established, stay consistent with that amount of water for the entire project and do not switch to a different concrete bag mix. On the first batch start with 4.75 quarts (4.5 L) of water added to mixer drum or mixing vessel. Add the controlled concrete bag mix and mix thoroughly,

then add the Pro Pack™ Countertop Admixture slowly while agitating. It may be necessary to add more water during this process (be sure to keep track of amount added so it's possible to keep the correct water cement ratio throughout the project). Continue mixing until all cement has wetted out and you have an even slump through entire mix. Keep in mind you want the mix at approximately a 4" to 5" slump. The addition of unnecessary water will weaken your concrete. Do not mix or modify with any other liquid or chemical. When temperature or humidity changes affect water demand, make small adjustments to the amount of mixing water as needed to achieve proper working consistency. The temperature of the mix water can be adjusted to alter the set time. Chilling the mix water during hot weather and warming the water during cooler temperatures is advisable. Do not over water. Determine mix ratio before the installation starts. Measure the water accurately for each batch for the duration of the installation. Color and finished texture will vary if water is not consistently measured for each batch. Always add water to the approved mixing vessel before adding dry materials. Never add water directly to the dry material, as lumping may occur. When coloring is used, slowly add the Butterfield Color® Uni-Mix® or Select Grade™ Integral Color Pack into the mix water while mixing before adding the concrete bag mix and Pro Pack™ Countertop Admixture pack. Do not introduce air bubbles into the mixture by bringing the mixing head in and out of the wet material while mixing.

**6. Installation:** Before mixing and placement, be sure all formwork and reinforcement are in place. All voids in the substrate should be filled to avoid seepage below. Do not cover subbase with plastic or allow blowing

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or radiant heat directly to the surface of the curing concrete; doing so will promote curling. During placement, be sure to keep a consistent time between batches to avoid cold joints. Any formed surfaces that will be exposed should be vibrated to minimize bug holes or honeycombing unless they are desired. After placement, concrete may then be finished as desired. If polishing is planned for the project, allow the mixture to cure for 48 hours before proceeding. Although Pro Pack™ Countertop Admixture is designed for pour in place countertop projects, it is also excellent for pan molding countertops when vibration is used during placement to consolidate the mix.

**7. Staining:** For natural appearing color variations, Pro Pack™ Countertop Admixture mixed with bagged concrete mix can be stained with Perma-Cast® Sierra Stain™ or Elements™ Transparent Concrete Stain. The mix should be cured for a minimum of 72 hours before applying Perma-Cast® Sierra Stain™ or Elements™ Transparent Concrete stain. Do not utilize aggressive cleaning methods until the concrete is thoroughly cured. Read the Perma-Cast® Sierra Stain™ and Elements™ Transparent Concrete Stain Technical Data Sheets before installing product. All information is available for download online at [www.butterfieldcolor.com](http://www.butterfieldcolor.com) and at point of purchase.

**8. Sealing:** Butterfield Color® produces many different sealers that will give your countertop different ap-

pearances. Contact Butterfield Color® at 800-282-3388 to discuss the look you desire.

**9. Quality Control:** Cast a representative sample at least 7 days prior to the installation for approval of color and finish. Utilize all materials, tools, and techniques from the actual job in the mock-up. Consistent batching, pouring, finishing, curing, sealing, and preparation techniques, will ensure the uniformity of architectural concrete. Verify adequate wet and dry slip resistance. Discuss maintenance requirements. Site visits by Butterfield Color, Inc. Personnel are for making technical recommendations only and not for supervising or providing quality control. Maintenance requirements should also be discussed.

**WARNING: HARMFUL IF INHALED.** THIS PRODUCT CONTAINS SILICA (CRYSTALLINE QUARTZ) AND PORTLAND CEMENT. DO NOT BREATHE DUST. PROLONGED EXPOSURE CAN RESULT IN SILICOSIS. USE WITH ADEQUATE VENTILATION. PORTLAND CEMENT IS IRRITATING TO EYES AND SKIN AND MAY CAUSE ALKALI BURNS. ALWAYS USE PROTECTIVE GLASSES, GLOVES AND DUST MASK (NIOSH/MSHA TC-21C APPROVED). IMMEDIATELY AFTER USE WASH ANY AREA OF EXPOSED SKIN. IF CONTACT IS MADE WITH EYES FLUSH THOROUGHLY WITH WATER, DO NOT RUB. IF INHALED, MOVE TO FRESH AIR. IF SYMPTOMS DEVELOP OR PERSIST, OR IF INGESTED,

SEEK MEDICAL ATTENTION. **DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.** DISPOSE OF ALL RESIDUAL MATERIALS ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS. READ THE MATERIAL SAFETY DATA SHEET BEFORE USING OR HANDLING THIS PRODUCT. ALL INFORMATION IS AVAILABLE FOR DOWNLOAD ONLINE AT [WWW.BUTTERFIELDCOLOR.COM](http://WWW.BUTTERFIELDCOLOR.COM) AND AT POINT OF PURCHASE.

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