

APC "Precision-Pac" Integral Colors

Colors shown approximate the shade of integral colors based on a 5 sack mix using Type 1 Portland cement at a 4" slump. Variations can be expected due to differences in cement color, slump, aggregates, admixtures and method of application. Colored concrete should be batched, placed, and cured as directed in the APC data sheet on recommended procedures for colored concrete. Colors are as accurate as our printing process will allow. We recommend that a test slab be poured and approved prior to the start of a job. Use this chart as a guideline only.



Candy Apple
5 lbs per CY



Straw
5 lbs per CY



Alabama Ochre
5 lbs per CY



Plum
10 lbs per CY



Mint
5 lbs per CY



Walnut
10 lbs per CY



Khaki
5 lbs per CY



Greystone
10 lbs per CY



Cinnamon
10 lbs per CY



Med. Alabama Ochre
7.5 lbs per CY



Char Green
10 lbs per CY



Mesa Stone
5 lbs per CY



Canyon Rust
10 lbs per CY



Camel
10 lbs per CY



Dove Gray
10 lbs per CY



Dk. Alabama Ochre
15 lbs per CY



Cahaba Stone
10 lbs per CY



Augusta Gold
15 lbs per CY



Aztec Red
20 lbs per CY



Wine Berry
20 lbs per CY



Grape Ape
25 lbs per CY



Sandstone
25 lbs per CY



Red Mountain
20 lbs per CY



Spanish Moss
20 lbs per CY



Charcoal
20 lbs per CY



Old Brick
20 lbs per CY



Black
30 lbs per CY



Nutmeg
20 lbs per CY



Merlot
20 lbs per CY



Piedmont Soil
20 lbs per CY



Talladega Tan
25 lbs per CY



Chocolate Lab
20 lbs per CY

Precision-Pac™ Integral Color for Concrete

APC: iron oxide pigments are used in ready mix, pre-cast, tilt-up, ornamental concrete, shot-crete, mortar, concrete masonry units, pavers, roof tiles, and retaining wall units. Additional uses are to color stucco, plaster, cast stone, and many other cement-based construction materials.

Materials: APC Precision-Pac™ colors do not contain fillers or extenders. All pigments are permanent, light-fast, inert and stable to atmospheric conditions. APC colors comply with ASTM C979, Pigments for Integrally Colored Concrete. Integral colors are not designed for dust-on application.

Packaging: APC Precision-Pacs™ are packaged in pre-measured per cubic yard disintegrating bags. Precision-Pacs™ are tossed into mixer without opening or pouring. The mixing action disintegrates the bag, allowing the pigment to disperse throughout the mix. Select colors are available in standard 50lb paper bags, 2000lb super sacs, and bulk tanker loads. Quality is assured by a batch label system that tracks the product through production to the warehouse and to your job site.

Mixing: Truck mixer should be cleaned thoroughly prior to each use. For best results add two-thirds of the mix water and one-half of the aggregates to the drum. Add the Precision-Pacs to the drum. Mix at full charging speed for three minutes or until bags break apart and pigment is dispersed evenly. Add balance of the ingredients (water, aggregates, cement) and mix at full charging speed for 8-10 minutes (100-120 revolutions). Mixer should be loaded to a minimum of 40% capacity to ensure good color dispersion. Make sure to use the same mix design and a consistent water to cement ratio throughout the job with a consistent slump between 3" to 5". Color variation may occur if batch proportion and slump are not maintained from load to load. Keep all raw materials (sand, cement, and aggregates especially) as consistent as possible throughout the entire project. Changes in raw materials (size, color, moisture content) affect the final color. Remember water has a vast effect on final color. Adding too much water will lighten the color of the project giving it a pale or washed out look. For better flow ability is required, use a plasticizer or water-reducing admixture. **Calcium chloride or any chloride based accelerator should not be used.** This chloride based additives will cause discoloration in the finished project.

Additional Items for the Contractor

APC: recommends following similar procedures for colored and uncolored concrete regarding base preparation, use of vapor barriers, form placement, reinforcement and joints. Integrally colored concrete should be installed the same way as high quality uncolored concrete. Listed are additional guidelines that should be observed for colored concrete: For more detailed information, please review our color guide.

- √ Avoid adding extra water at the job site. Do not wet finishing tools or add water the surface of the colored concrete.
- √ When the surface becomes wet stop floating. Allow bleed water to evaporate, then begin troweling. Waiting too long, may allow dark spots or "burn" marks to appear.
- √ Do not use wet coverings, plastic sheeting, water proof paper, or liquid membrane curing compounds.
- √ Even curing+ even drying = even color.
- √ Pigment loading should never exceed 10% of the weight of the cement content.
- √ Consistency = Reliability
- √ Do not sprinkle pigment onto the surface of the concrete.

Efflorescence is a naturally occurring process. It is a white powdery substance that may occur on the surface of the concrete. This is a result from water evaporation and is more noticeable on colored concrete. Proper curing and protection from water penetration will help reduce the effects of efflorescence. If efflorescence occurs, care should be taken to clean the surface. Use approved product for cleaning colored concrete and follow manufacture's recommendations carefully.



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