Uses: Davis Colors are used in cast-in-place, slab-on-grade, precast, tilt-up and decorative concrete; shotcrete, mortar, and concrete masonry units, pavers, retaining wall units and masonry. They can also be used to color cast stone, plaster, masonry and other cement-based construction materials. Designed for mix-in use only, they should not be sprinkled or dusted onto the concrete surface.

Ingredients: Pure, concentrated pigments made from high quality metal oxides recycled from iron or refined from the earth and specially processed for mixing into concrete. Davis Colors comply with ASTM C975:2009 for Integral Color for Concrete. They are lightweight, alkali-resistant, weather-resistant, and long-lasting like concrete. Davis Colors are available in a wide spectrum of standard colors and can be custom formulated to match design requirements. Unlike other Davis Colors, Supra-Instant® Black #8084 is a specially treated carbon black. Carbon black is the highest in tint strength and the most economical, but can fade if concrete is not sealed against water penetration. Scaling and periodic re-sealing can minimize this effect.

Packaging: Concrete suppliers use our Mix-Ready® color dosing bags or Chameleon® bulk handling system. The Chameleon® is a computer-controlled automatic color dosing system used by concrete producers. Mix-Ready® bags are tossed into the mix without opening or pouring. They disaggregate under mixing action, releasing pigments to disperse uniformly leaving no bags to litter the environment.

Installation: Integral colored concrete is installed the same way as high quality uncolored concrete. Choose a color on the inside of this color card and specify it by name and color number. Create a custom color by varying the amount of color added to the mix. Confirm desired color with a fully-cured job-site test panel.

Dry color dose rates range from 1/2 to 7 lbs per 94 lbs of cement content and should never exceed 10% of cement content. (Liquid dose rates are higher). Cement content includes Portland cement, fly ash, silica fume, limestone and other cementitious materials but does not include aggregate or sand. Davis Colors have been used successfully in a wide variety of mix designs and are compatible with commercially available admixtures. The only known incompatibility is with calcium chloride set accelerator which causes blushing and discoloration. Supra-Instant® Black #8084 reduces or negates the effect of air-entraining admixtures.

Finishes: Paving and floors can be finished with pattern-stamped, broomed, troweled, exposed aggregate, salt-finished, sand-blasted, diamond polishing or other various aesthetically pleasing textures. Cast-in-place, precast and tilt-up structures can be textured with sand-blasting, bushhammering, grinding, polishing, special forms or form liners. The combinations and possibilities are endless. Here are just a few:

Curing & Sealing: W-1000 Clear® is a non-clouding, spray-on cure and sealer that meets or exceeds ASTM C999 standards and is specifically formulated for colored concrete and exposed aggregate finishes. Other curing methods, such as water curing or plastic sheets cause discoloration. Water added at job-site to mixer or pumps will cause color to fade. Use Davis W-1000 ClearTM Cure and Seal. (info at: www.daviscolors.com/chameleon)

Specialties: Mix-Ready® bags and mix at charging speed for at least one minute. Add cement, aggregate and remaining batch water. Continue mixing, stirring and sealing for at least five minutes (7 minutes for pea-gravel mixes).

Consumer Advice: Specify air content of 5% to 7% for improved workability and to minimize shrinkage cracking.

Contractor’s Guide: Prepare a 2-inch self-leveling subgrade. Add a 2 to 5 inch (50 to 125mm) layer of sand, gravel or crushed stone. Uniformly compact the subgrade and maintain a wet, no-puddles, standing water free, or muddy area. If water barrier is used, overlap sheets and tape over holes to barrier. Place a 3" (75mm) layer of granular self-drawing compatible fill over the barrier to minimize through-cracking.

Quality Tips: For best results, materials, curing, weather conditions and workmanship should be uniform throughout a project. Quality starts with the concrete mix, use a low water-cement, high-performance mix design. When planning a project, budget for craftsmanship.

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For samples or additional information contact: Davis Colors: Setting the Standard for Concrete Colors.

Curing & Sealing:

Mixing Guide: Use the same pigment-to-cement ratio, type and brand of cement and aggregates throughout your project. Changes in cement and aggregate color affect shade.

Keep slump less than 5" (12.5 cm) and water content consistent. High water content causes concrete to appear pale or “faded”. If higher slump is required, use a water reducing admixture instead of added water.

Calcium Chloride set-accelerator causes discoloration. Do not use with color.

Specify air content of 1% to 7% for improved workability and long term durability in freeze/thaw climates. Schedule loads for consistent mix times. Deliver and discharge in less than 1/2 hours. Clean mixer thoroughly between color change-over.

Concrete color number and weight in Mix-Ready® bag (or combination of bags) is the same required by mix design. Wet mix with 1/2 to 2/3 total batch water. Toss in Mix-Ready® bags and mix at changing speed for at least one minute. Add cement, aggregate and remaining batch water. Continue mixing, stirring and sealing for at least five minutes (7 minutes for pea-gravel mixes).

Concrete mix-in color number and weight in Mix-Ready® bag. In mixes with small aggregate or batches with short mixing duration, Mix-Ready® bags may not completely disperse. In sand-blasted or exposed aggregate finishes, add bag sizes (13 lbs. maximum) or spot bag and pour color normally.

The Chameleon® is a computer-controlled color dosing system for Ready Mix operators exclusively from Davis. It improves concrete accuracy and availability. Chameleon® dose rates differ from the rates on front of this card. For more information, go to www.daviscolors.com/chameleon.

Consumer Advice: Typically, the best results are obtained with a water-cement ratio of 0.50. Use Davis W-1000 ClearTM Cure and Seal. (info at: www.daviscolors.com/chameleon)

Contractor’s Guide: Prepare a 2-inch self-leveling subgrade. Add a 2 to 5 inch (50 to 125mm) layer of sand, gravel or crushed stone. Uniformly compact the subgrade and maintain a wet, no-puddles, standing water free, or muddy area. If water barrier is used, overlap sheets and tape over holes to barrier. Place a 3" (75mm) layer of granular self-drawing compatible fill over the barrier to minimize through-cracking.

Position forms for uniform slab thickness. Follow American Concrete Institute standards for reinforcement and joint placement to control cracking.

Allow ample time and manpower for placement and finish work. Finish evenly and with care.

Begin troweling when water evaporates. Late or hard troweling and edge causes “burn” or dark spots.

Water added at job-site to mixer or pumps will cause color to fade. Keep additions to a minimum and consistent among loads. Don’t finish working tools or brooms or grout on the surface.

Do not spruce or sand cement on the surface.

Rinse, dry broom, pattern stamped or rough finish usually will not etch or discolor the surface. (info at: www.daviscolors.com/chameleon)

Concrete curing can cause drying-out or efflorescence. Cure colored concrete with Davis W-1000 ClearTM cure and seal. (info at: www.daviscolors.com/chameleon)

Do not use plastic sheets, water curing or curing products which discolor. Treat and other objects left on curing concrete cause discoloration.

Efflorescence is a white powdery substance that appears on concrete surfaces. A result of water evaporation, it is more noticeable on colored surfaces making them look faded or lighter in color when not cleaned off. Proper curing and protection against water penetration reduces tendency for efflorescence to occur. Remove with detergent or mild acid cleaners formulated to remove efflorescence. Follow cleaner instructions and test in a small area to make sure cleaner will not etch or discolor the surface. Wear rubber gloves and eye protection.

Davis Colors: Setting the Standard for Concrete Colors.

For samples or additional information contact: Davis Colors: Setting the Standard for Concrete Colors.
**Colors for Concrete**

Davis Colors™ mix into any concrete, transforming it into a new design feature for building and paving projects or to enhance appearance around the home. Davis Colors™ are strong, durable and last as long as the concrete. There are bold and intense premium colors, standard colors that add less than a dollar per square foot, and subtle shades for any budget.

This pdf color card is just for ideas. If you choose a color by viewing this on your PC or from a printout of the pdf file, your colored concrete may be a big surprise. Please make your selection from our printed color card, hard samples or job site test.

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**Concrete Base Color**

The natural base color of concrete, finishing and curing method determine final color. This card simulates lab samples made with a light broom finish from Type II gray cement, sand and water at 0.56 water/cement ratio for a 4" slump (see uncolored reference at left). Different cements, sand, rock, mixing and job site conditions and contractor technique can alter color from this card.

Concrete is produced from natural materials. Surface variations common to uncolored concrete can impact colored concrete.

*Caution: 8084 is not compatible with air-entraining admixtures. See back page for more information.*

As the leading producer of colors for concrete since 1952, we offer the widest spectrum available.

May 2009 Notice- All color swatches were adjusted to lighter base cement shade. These swatches differ from previous color card.
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**COLOR GROUP: Subtle**

SANDSTONE 5237  
CANYON 160  
SANTA FE 1117  
MOCHA 6058  
RUSTIC BROWN 6058

PEBBLE 641  
DUNE 6058  
OUTBACK 677  
SEQUOIA SAND 641  
YOSEMITE BROWN 641

SILVERSMOKE 8084*  
LIGHT GRAY 8084*  
OMAHA TAN 5084  
HARVEST GOLD 5084

DARK GRAY 8084*  
BAYOU 6130  
COCOA 6130

**COLOR GROUP: Standard**

SAN DIEGO BUFF 5237  
SUNSET ROSE 160  
BAJA RED 160  
TERRA COTTA 10134  
SPANISH GOLD 5084

SOUTHERN BLUSH 10134  
SALMON 10134  
MESA BUFF 5447  
PALOMINO 5447  
FLAGSTONE BROWN 641

MESQUITE 677  
TAUPE 677  
SIERRA 61078  
ADOBE 61078  
KAILUA 677

**COLOR GROUP: Premium**

SANGRIA 1117  
TILE RED 1117  
BRICK RED 160

TERRA COTTA 10134  
SPANISH GOLD 5084

SOUTHERN BLUSH 10134  
SALMON 10134  
MESA BUFF 5447  
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Uses: Davis Colors are used in cast-in-place, slab-on-grade, precast, tilt-up decorative concrete; shotcrete, mortar, concrete masonry units, pavers, retaining wall units and rooftiles. They can also be used to color cast stone, plaster, stucco and other cement-based construction materials. Designed for mix-in use only, they should not be sprinkled or dusted onto the concrete surface.

Ingredients: Pure, concentrated pigments made of high-quality metal oxides recycled from iron or refined from the earth and specially processed for mixing into concrete. Davis Colors comply with ASTM C978 for Pigments for Integral Colored Concrete. They are lightweight, alkali-resistant, weather-resistant, durable and long-lasting like concrete. Davis Colors are available in a wide spectrum of standard colors and can be custom formulated to match desired colors. Unlike other Davis Colors, Supra-Instant® black #8084 is a specially treated carbon black. Carbon black is the highest in tint strength and the most economical, but can fade if concrete is not sealed against water penetration. Scaling and periodic re-sealing can minimize this effect.

Packaging: Concrete suppliers use our Mix-Ready® disintegrating bags or Chameleon® bulk handling system. The Chameleon® is a computer-controlled automatic color dosing system used by concrete producers. Mix-Ready® bags are torn into the mix without opening or tearing. They disintegrate under mixing action, releasing pigments to disperse uniformly leaving no bags to litter the environment.

Installation: Integral-colored concrete is installed the same way as high-quality uncolored concrete. Choose a color inside the list of color card and specify it by name and color number. Create a custom color by varying the amount of color added to the mix. Confirm desired color with a fully-cured job-site test panel. Dry color dose rates range from 1/2 to 7 lbs per 94 lbs of cement content and should never exceed 10% of cement content. (Liquid dose rates are higher). Cement content includes portland cement, fly ash, silica fume, limestone and other cementitious materials but does not include aggregate or sand. Davis Colors have been used successfully in a wide variety of mix designs and are compatible with commercially available admixtures. The only known incompatibility is with calcium chloride set accelerator which causes blotching and discoloration. Supra-Instant® black #8084 reduces or negates the effect of air-entraining admixtures.

Curing & Sealing: W-1000 Clear® is a non-drying, spray-on cure and sealer that meets or exceeds ASTM C809 standards and is specifically formulated for colored concrete and exposed aggregate finishes. Other curing methods, such as water curing or plastic sheets cause discoloration. Color Seal® is an option for thinner, thin-film sealers that's mined to match the colors on this Color Selector. When applied over colored concrete or the W-1000 Clear®, it provides a more uniform appearance.

Quality Tips: For best results, materials, curing, weather conditions and workmanship should be uniform throughout a project. Quality starts with the concrete mix, use a low water-content, high-performance mix design. When planning a project, budget for craftsmanship. Uneven curing=uneven drying=uneven color. Keep slump less than 5” (12.5 cm) and water content consistent. High water content causes concrete to appear pale or “faded.” If higher slump is required, use a water reducing admixture instead of added water.

MIX-IN COLORS FOR CONCRETE

Mixing Guide: Use the same pigment-to-cement ratio, type and brand of cement and aggregates throughout project. Changes in cement and aggregate color affect final color.

Keep slump less than 5” (12.5 cm) and water content consistent. High water content causes concrete to appear pale or “faded.” If higher slump is required, use a water reducing admixture instead of added water.

Cure Colored Concrete: Color curing is not done in the field. Davis Colors Mix-Ready® bags contain precleaned pigment and a color-coded recording label. A single color call-out to plan documents or specifications. For complete architectural and guide specifications, visit www.daviscolors.com/literature

Davis Colors: Setting the Standard for Concrete Colors.

For samples or additional information contact:

Davis Colors
Tel: 800-356-4848
Fax: 323-299-1053
www.daviscolors.com

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