**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. Installation is cleaner and easier than toppings, stains or coatings and requires less labor. There are bold and intense premium colors, standard colors that make an attractive upgrade for any project, and

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. Different cements, sand, rock, mixing and job site conditions can alter color from this card. Concrete is produced from natural materials. Surface variation common to uncolored concrete can impact colored concrete.

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<table>
<thead>
<tr>
<th><strong>COLOR GROUP: Subtle</strong></th>
<th><strong>COLOR GROUP: Standard</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>SANDSTONE</td>
<td>0.75 LB 5237</td>
</tr>
<tr>
<td>CANYON</td>
<td>0.5 LB 160</td>
</tr>
<tr>
<td>SANTA FE</td>
<td>0.75 LB 1117</td>
</tr>
<tr>
<td>MOCHA</td>
<td>RUSTIC BROWN 1 LB 5084</td>
</tr>
<tr>
<td>PEBBLE</td>
<td>0.5 LB 658</td>
</tr>
<tr>
<td>DUNE</td>
<td>0.5 LB 517</td>
</tr>
<tr>
<td>OUTBACK</td>
<td>SEQUOIA SAND 1 LB 6058</td>
</tr>
<tr>
<td>YOSEMITE BROWN</td>
<td>0.5 LB 641</td>
</tr>
<tr>
<td>SILVERSMOKE</td>
<td>0.25 LB 6058</td>
</tr>
<tr>
<td>LIGHT GRAY</td>
<td>0.5 LB 6130</td>
</tr>
<tr>
<td>OMAHA TAN</td>
<td>1 LB 5237</td>
</tr>
<tr>
<td>HARVEST GOLD</td>
<td>2 LBS 6130</td>
</tr>
<tr>
<td>DARK GRAY</td>
<td>1 LB 6058</td>
</tr>
<tr>
<td>BAYOU</td>
<td>COCOA 2 LBS 5237</td>
</tr>
</tbody>
</table>

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*Caution: 8084 is not compatible with air-entraining admixtures. See back page for more information.*
low-cost subtle shades that add a hint of color to gray concrete. As the leading producer of colors for concrete since 1952, we offer the widest spectrum available.

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**Mix-in Colors for Concrete**

**Uses:** Davis Colors are used in cast-in-place, slab-on-grade, precast, tilt-up and decorative concrete; shotcrete, mortar, concrete masonry units, pavers, retaining wall units and roofs. 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 stippled or dusted onto the concrete surface.

**Ingredients:** Pure, concentrated pigments made up of high-quality metal oxides derived from iron or other natural sources. Davis Colors comply with ASTM C979 "Pigments for Integrally Colored Concrete." They are high-quality, alkali-resistant, weather-resistant, durable and long-lasting like concrete. Davis Colors are available in a wide range of standard colors and can be custom formulated to meet 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. Sizing and periodic re-sealing can minimize this effect.

**Packaging:** Concrete suppliers use their 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® hooks are inserted into the mix without opening or pre-heating. They disintegrate under mixing action, releasing pigments to dispense uniformly leaving no bags to litter the environment.

**Installation:** Integraphically colored concrete is installed in 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 ranges from 1/2 to 7 lbs per 100 lbs. of cement and should never exceed 10% of cement content. (Liquid dose rates are higher). Cement content includes portland cement, fly ash, silica fume, lime 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.

**Finishes:** Paring and finishing can be finished with pattern-stamped, broomed, troweled, exposed aggregate, salt-finished, sand-blasted, diamond-polishing or many other visually appealing 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:

- **Exposed Aggregate**
- **Light Brown (sawyer)**
- **Stamped/Patterned**
- **Salt Finish**
- **Sand Blasted**
- **Form Liner**

**Curing & Sealing:** W-1000 Clear™ is a non-clinging, spray-on cure that sealer that meets or exceeds ASTM C989 standards and is specially formulated for colored concrete and exposed aggregate finishes. Other curing methods, such as water curing or plastic sheets cause discoloration. Color Seal® is an optional, thin-film sealer that’s tried to match the shades 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.

**Consumer Advice:** Contractors are independently owned and operated without affiliation to Davis Colors. Choose a licensed and qualified contractor who provides written information and examples projects you can see before you buy. Check the yellow pages, ask your local ready mix or building material dealer or visit www.concreteconnections.com to find contractors who specialize in colored concrete.

**Specialty Davis:** Choose a color from this color selector and specify it by name and color number. Add this color call-out to plan documents or specifications. For complete architectural and guide specific information, visit our web site, refer to our architectural binder or call, fax or write. Our guide specifications can be found in Sweetbrother’s spec manual, "Spec Data," ARCH/Spec Disk or at www.daviscolors.com/specs.

**Mixing Guide:** Use the same pigment-to-cement ratio, type and brand of cement and aggregate throughout a 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.

**Caution:** Oxide set-accelerators cause discoloration. Do not use with color.

**Quality Tips:**
- **Air:** Use a consistent air content of 5% to 7%. For improved workability and long term durability in freeze/thaw climates. 
- **Schedule:**"Pour consistent mix times. Deliver and discharge in less than 1/2 hour. Clean mixer thoroughly before color changes.

**Curing & Sealing:** Use a low water content (at least 65% water). 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.

**Exposure:** For samples or additional information contact:

- Davis Colors 800-356-4848 Fax: 323-269-1053
daviscolors@compuserve.com Tel: www.daviscolors.com or visit www.daviscolors.com/specs.

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