

**SECTION 02825
COLORED CONCRETE FOR WHEELCHAIR RAMPS**

PART I: GENERAL

1.1 GENERAL REQUIREMENTS

- A. Colored concrete for Wheelchair ramps.

1.2 MEASUREMENT AND PAYMENT

A. Unit Prices:

- 1. No separate payment shall be made for coloring agent under this Section. Include payment in unit price bid for wheelchair ramps.
- 2. Refer to Section 01270 – Measurement and Payment for unit price procedures.

B. Stipulated Price (Lump Sum):

- 1. If Contract is Stipulated Price Contract, payment for work in this Section is included in Total Stipulated Price.

1.3 SUBMITTALS

- A. Conform to requirements of Section 01330 – Submittal Procedures.
- B. Submit product data for proposed coloring agent.

1.4 REFERENCES

- A. ADA – Americans with Disabilities Act.
- B. CFTS – City of Friendswood Technical Specifications.
- C. TABA – Texas Architectural Barriers Act.

PART II: PRODUCTS

2.1 MATERIALS

- A. Coloring Agent: Provide dry-shake color hardener consisting of quartz-silica mixture of finely-graded, non-metallic aggregates, plasticizer and cement binder for producing color as shown on the Drawings.
- B. Color shall be Black.
- C. Concrete: Conform to material and proportion requirements of Section 02805 – Concrete Paving.

PART III: EXECUTION

3.1 WHEELCHAIR RAMPS

- A. Install wheelchair ramps in accordance with requirements of Part III of Section 02820 – Concrete Sidewalks with addition of procedure for application of coloring agent as required by Paragraph 3.2, Coloring Agent.

3.2 COLORING AGENT

- A. Apply coloring agent on newly finished concrete surface as soon as job conditions permit, but in no event later than two hours (2 Hrs) after concrete is placed, at rate recommended by manufacturer or as approved by the Project Manager.
- B. Apply color hardener uniformly to surface by dry-shake method when no excess moisture shows at surface of concrete, but while concrete is still plastic throughout. Do not sprinkle or otherwise add water to surface during application or finishing. Necessary moisture for color hardener shall come from the concrete as that color hardener develops the proper bond and produces adequate density for color-hardened surface.
- C. First (1st) shake shall consume two-thirds (2/3) of material. Withhold one-third (1/3) for second (2nd) shake and final touch-up. After first (1st) shake, float surface thoroughly by mechanical or hand methods. Do not trowel surface between first (1st) and second (2nd) shakes.
- D. Apply second (2nd) shake evenly, then float and trowel surface. Retain small quantity of material from second (2nd) shake for touching up non-uniform or weak-toned areas. Minimize hard troweling and use consistent finishing practices to ensure uniformity of color.

END OF SECTION