

Solomon Colors  
PO Box 8288  
Springfield, Illinois 62791  
Phone (800) 624-0261 / (217) 522-3112  
Fax (800) 624-3147 / (217) 522-3145  
Web Site www.solomoncolors.com  
E-Mail sgs@solomoncolors.com

May 2005

## Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, as described in *The Project Resource Manual—CSI Manual of Practice*.

The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all “Specifier Notes” when editing this section.

Section numbers and titles are from *MasterFormat 1995 Edition*, with numbers and titles from *MasterFormat 2004 Edition* in parentheses. Delete version not required.

## SECTION 04065 (04 05 13.13)

### MORTAR PIGMENTS

Specifier Notes: This section covers Solomon Colors SGS Concentrated A, H, and X Series Mortar Colors.

Coordinate this section with the section specifying the masonry mortar. Consult Solomon Colors for assistance in editing this section for the specific application.

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Iron oxide pigments to be added to masonry mortar.

##### 1.2 RELATED SECTIONS

Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to this section.

- A. Section 04060 (04 05 13) - Masonry Mortar (Masonry Mortaring).
- B. Section 04200 (04 20 00) - Masonry Units (Unit Masonry).

### 1.3 REFERENCES

Specifier Notes: List standards referenced in this section, complete with designations and titles. This article does not require compliance with standards, but is merely a listing of those used.

- A. ASTM C 91 - Standard Specification for Masonry Cement.
- B. ASTM C 270 - Standard Specification for Mortar for Unit Masonry.
- C. ASTM C 979 - Standard Specification for Pigments for Integrally Colored Concrete.

### 1.4 SUBMITTALS

- A. Comply with Section 01330 (01 33 00) - Submittal Procedures.
- B. Product Data: Submit manufacturer's product data including mixing instructions. Include manufacturer's table indicating number of pigment color units to be added to mortar mix.
- C. Samples: Submit manufacturer's samples of standard colors in mortar color channels as actual representation of color units mixed with light gray prepared masonry cement or equivalent portland and lime mortar mix plus light tan builders sand and water.
- D. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- E. Warranty: Submit manufacturer's standard warranty.

### 1.5 QUALITY ASSURANCE

- A. Manufacturer's Qualifications:
  - 1. Sufficient plant facilities to provide quality and quantity of iron oxide pigments as required without delaying progress of the Work.
  - 2. Minimum of 10 years experience in producing iron oxide pigments to be added to masonry mortar.

Specifier Notes: Coordinate the following sentence with the section specifying the masonry mortar. Provide the section number of the section specifying the mock-up panels. Delete the following sentence if mock-up panels are not required.

- B. Mock-Up Panels: Submit quantity and color of pigments required for use in construction of mock-up panels as specified in Section 04\_\_\_\_\_ .

### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver pigments to site in manufacturer's original sealed unit bags, with labels clearly identifying product name, manufacturer, color name and number, weight, and mixing instructions.
- B. Storage: Store materials in clean, dry area in accordance with manufacturer's instructions. Keep bags sealed until ready for use.
- C. Handling: Protect pigments during handling and mixing to prevent damage or contamination.

## **PART 2 PRODUCTS**

### **2.1 MANUFACTURER**

- A. Solomon Colors, PO Box 8288, Springfield, Illinois 62791. Phone (800) 624-0261 / (217) 522-3112. Fax (800) 624-3147 / (217) 522-3145. Web Site [www.solomoncolors.com](http://www.solomoncolors.com). E-Mail [sgs@solomoncolors.com](mailto:sgs@solomoncolors.com).

### **2.2 MORTAR PIGMENTS**

- A. Pigments: SGS Concentrated A, H, and X Series Mortar Colors.

Specifier Notes: Specify the color name and number. Consult Solomon Colors for availability of custom colors.

1. Color:
  - a. Name: \_\_\_\_\_ .
  - b. Number: \_\_\_\_\_ .
2. Material: Natural and synthetic, milled, blended iron oxides.
3. Carbon added for darker colors shall not exceed 4 percent.
4. Produce uniform and consistent color.
5. Inert, stable to atmospheric conditions, sunfast, weather resistant, alkali resistant, water insoluble, lime proof, and nonbleeding.
6. Free of deleterious fillers and extenders.
7. Particle Size: 95 to 99 percent minus 325 mesh.
8. pH: 6.5 to 9.0.
9. Compliance: ASTM C 979.
10. Tests: ASTM C 91 and ASTM C 270. Exceed 1,800 psi (12.4 kPa) at 28 days strength requirement.

## **PART 3 EXECUTION**

### **3.1 MIXING**

- A. Mix pigment with masonry mortar in accordance with manufacturer's instructions.
- B. Add proper number of pigment color units to mortar mix in accordance with manufacturer's table.
- C. Mix materials with mechanical mixer.
- D. Load mixer in accordance with manufacturer's instructions. Do not load mixer beyond recommended capacity.
- E. Ensure uniform color and workability of colored mortar.
- F. Ensure source, brand, type, color, and weight of cementitious materials and sand is consistent throughout project.
- G. Ensure quantity of water is consistent throughout project. Do not retemper colored mortar with addition of water.

### **3.2 TOOLING JOINTS**

- A. Ensure color consistent mortar joints by tooling in accordance with manufacturer's instructions.

### **3.3 PROTECTION**

- A. Inhibit moisture in masonry assembly to avoid conditions for occurrence and recurrence of efflorescence in accordance with manufacturer's instructions.
- B. Keep masonry assembly dry during construction by covering at end of each day with waterproof covering.

### **3.4 CLEANING**

- A. Clean masonry assembly of masonry stains and efflorescence in accordance with manufacturer's instructions.
- B. Ensure colored mortar has sufficiently cured before cleaning.
- C. Use masonry cleaner approved by pigment manufacturer and Architect.
- D. Apply cleaner in accordance with cleaner manufacturer's instructions.

**END OF SECTION**