

USE THIS SECTION FOR WALL CLADDING AND MISCELLANEOUS FABRICATIONS OTHER THAN COUNTERTOPS. USE SECTION 06 61 18 FOR COUNTERTOPS.

GENERAL NOTES TO SPECIFIER:

THIS SPECIFICATION SECTION HAS BEEN PREPARED TO ASSIST DESIGN PROFESSIONALS IN THE PREPARATION OF PROJECT OR OFFICE MASTER SPECIFICATIONS. IT FOLLOWS GUIDELINES ESTABLISHED BY THE CONSTRUCTION SPECIFICATIONS INSTITUTE, AND THEREFORE MAY BE USED WITH MOST MASTER SPECIFICATION SYSTEMS WITH MINOR EDITING.

EDIT CAREFULLY TO SUIT PROJECT REQUIREMENTS. MODIFY AS NECESSARY AND DELETE ITEMS THAT ARE NOT APPLICABLE. VERIFY THAT REFERENCED SECTION NUMBERS AND TITLES ARE CORRECT. (NUMBERS AND TITLES REFERENCED ARE BASED ON *MASTERFORMAT*, 2004 EDITION).

THIS SECTION ASSUMES THE PROJECT MANUAL WILL CONTAIN COMPLETE DIVISION 1 DOCUMENTS INCLUDING 01 25 13-PRODUCT SUBSTITUTION PROCEDURES, SECTIONS 01 33 00-SUBMITTAL PROCEDURES, 01 62 00-PRODUCT OPTIONS, 01 66 00-PRODUCT STORAGE AND HANDLING REQUIREMENTS, 01 74 00-CLEANING AND WASTE MANAGEMENT, 01 77 00-CLOSEOUT PROCEDURES, AND 01 78 00-CLOSEOUT SUBMITTALS. CLOSE COORDINATION WITH DIVISION 1 SECTIONS IS REQUIRED. IF THE PROJECT MANUAL DOES NOT CONTAIN THESE SECTIONS, ADDITIONAL INFORMATION SHOULD BE INCLUDED UNDER THE APPROPRIATE ARTICLES.

THIS IS A PROPRIETARY SPECIFICATION.

NOTES TO THE SPECIFIER ARE CONTAINED IN BOXES AND SHOULD BE DELETED FROM FINAL COPY.

OPTIONAL ITEMS REQUIRING SELECTION BY THE SPECIFIER ARE ENCLOSED WITHIN BRACKETS, E.G. [35] [40] [45]. MAKE APPROPRIATE SELECTIONS AND DELETE OTHERS.

ITEMS REQUIRING ADDITIONAL INFORMATION ARE UNDERLINED BLANK SPACES, E.G. _____ .

OPTIONAL PARAGRAPHS REQUIRING SELECTION OF ONE OF THE OPTIONS ARE SEPARATED BY "OR" WITHIN A BOX, E.G.

OR

OPTIONAL PARAGRAPHS AND FEATURES THAT MAY BE SELECTED OR DELETED AS DESIRED ARE SHOWN IN BOLD FACE TYPE. DELETE BOLD FACE TYPE WHEN INCLUDING THESE PARAGRAPHS OR FEATURES.

REVISE FOOTER TO SUIT PROJECT/OFFICE REQUIREMENTS.

ELECTRONIC VERSIONS OF THIS SPECIFICATION UTILIZE AUTOMATIC PARAGRAPH NUMBERING.

PART 1 - GENERAL**1.01 SUMMARY**

A. Section Includes:

LIST TYPES OF VARIOUS APPLICATIONS INCLUDED IN THE PROJECT BELOW. E.G., PANELING AND TRIM, TUB/SHOWER SURROUNDS (VERTICAL); TUB DECKS, WORK SURFACES (HORIZONTAL); WINDOW SILLS (MISCELLANEOUS FABRICATIONS).

1. Vertical applications.

- a. _____.
- b. _____.

2. Horizontal applications.

- a. _____.
- b. _____.

3. Miscellaneous fabrications.

- a. _____.
- b. _____.

B. Related Sections:

INCLUDE APPROPRIATE SECTIONS BELOW FOR OTHER SECTIONS SPECIFICALLY RELATED TO INSTALLATION OF PRODUCTS SPECIFIED HEREIN.

- 1. Section _____ - _____.
- 2. Section _____ - _____.
- 3. Section _____ - _____.

INCLUDE APPROPRIATE LANGUAGE BELOW IF PRODUCTS SPECIFIED IN THIS SECTION ARE TO BE BID AS ALTERNATES. OTHERWISE DELETE FOLLOWING PARAGRAPH.

C. Alternates:

- 1. Reference Section 01 23 00- Alternates.

1.02 SUBMITTALS

A. Reference Section 01 33 00-Submittal Procedures; submit following items:

DELETE REQUIREMENTS FOR COLOR SUBMITTALS IN SUBPARAGRAPHS 1. AND 4. BELOW IF COLORS ARE SPECIFIED IN ARTICLE 2.02 OR ARE SHOWN ON DRAWINGS

- 1. Product Data.
 - a. Solid surface sheet material.
 - b. Include standard color chart showing full range of available colors for sheet material.
- 2. Material Safety Data Sheets (MSDS) for products and accessories.**
- 3. Shop Drawings: Provide plans, elevations, sections, and large scale details. Include attachment provisions and fabrication methods.

4. Samples for Final Color Verification: 4x4 inch (100x100 mm) samples of color(s) selected from initial color chart submittals.
5. Quality Assurance/Control Submittals:
 - a. Qualifications: Proof of fabricator qualifications.
 - b. Certificates: Copies of ISO certifications.
 - c. Test Reports:**
 - 1) Flammability test reports.**
 - 2) Food preparation zone use test reports.**
 - d. Manufacturer's Fabrication and Installation Manual.**
 - e. Manufacturer's Fabrication and Installation Check List.**

B. Closeout Submittals: Reference Section 01 78 00-Closeout Submittals; submit following items:

1. Care and Maintenance Instructions.
2. Special Warranties:

1.03 QUALITY ASSURANCE

A. Qualifications:

1. Fabricator/Installer Qualifications: Minimum three years experience in fabrication and installation of solid surface materials or certification by Distributor.

B. Certifications:

1. Manufacturer must hold current ISO 9002 and 14001 certificates.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Reference Section 01 66 00-Product Storage and Handling Requirements.

B. Follow manufacturer's instructions.

C. Special Instructions:

1. Do not deliver components to project site until spaces are ready for installation.

1.05 PROJECT/SITE CONDITIONS

A. Environmental Requirements: Installation spaces must be maintained at normal occupancy temperature and humidity levels for minimum 72 hours prior to and continuously following installation.

1.06 WARRANTY

A. Special Warranty: Ten year limited warranty against manufacturing defects in sheet material.

1.07 MAINTENANCE

A. Extra Materials: Provide for future repair use by Owner.

1. Minimum [4 sf (0.37m²) per 100 sf (9 m²)] [_____] of each sheet material color.
2. Minimum [3 lf (1.0 m) per 100 lf (30 m)] [_____] of each trim material color.
3. Colors shall be from same dye-lot as installed products.

PART 2 - PRODUCTS

2.01 MANUFACTURER

A. Lotte Chemical California, Inc. Tel: (562) 926-5520
 14251 E. Firestone Blvd, Suite 101 Fax: (562) 926-9930
 La Mirada, CA 90638 Website: <http://www.staron.com>

INSERT NAME, ADDRESS AND PHONE NUMBERS OF LOCAL DISTRIBUTOR BELOW.

1. Distributor:

B. Substitutions: None permitted.

2.02 MATERIALS

SELECT COLORS FOR FOLLOWING PARAGRAPHS A.1. AND B.2. FROM MANUFACTURER'S CURRENT CATALOGS TO SPECIFY BELOW OR SHOW ON DRAWINGS. INCLUDE SUBPARAGRAPHS a. ONLY IF ARCHITECT WILL SELECT COLORS FOLLOWING AWARD OF CONTRACT, AND IF MORE THAN ONE COLOR WILL BE SELECTED.

A. Staron® Sheet: Homogenous sheet composed of a blend of natural minerals and 100 percent acrylic resin (methyl methacrylate) complying with ANSI Z124.3 and Z124.6, Type 6.

1. Physical Performance Characteristics:

a. Flammability Test (flame spread and smoke developed):

- 1) Test Procedure: NFPA 255.
- 2) Rating: Class A.

b. Food Zone Use:

- 1) Test Procedure: NSF 51.
- 2) Rating: Pass.

B. Use

1. Vertical Surfaces: 1/4 in (6 mm) thick, unless otherwise shown on Drawings.

- a. Color: [_____] [As shown on Drawings] [As selected by Architect].
 - 1) Architect will select one color only.

OR

- 2) Architect may select up to [_____] separate colors.

- b. Finish: [Matte] [Semi-gloss] [Polished] [As shown on Drawings].

2. Horizontal Surfaces: 1/2 in (12.3mm) thick, unless otherwise shown on Drawings.

- a. Color: [_____] [As shown on Drawings] [As selected by Architect].
 - 1) Architect will select one color only.

OR

- 2) Architect may select up to [_____] separate colors.

- b. Finish: [Matte] [Semi-gloss] [Polished] [As shown on Drawings].

3. Miscellaneous Fabrications: Thickness and configuration as shown on Drawings.

a. Color: [_____] [As shown on Drawings] [As selected by Architect].

1) Architect will select one color only.

OR

2) Architect may select up to [_____] separate colors.

b. Finish: [Matte] [Semi-gloss] [Polished] [As shown on Drawings].

2.03 ACCESSORIES

- A. Joint and Laminating Adhesive for bonding Staron® Sheet to Staron® Sheet: Two component Staron® Joint Adhesive.
- B. Adhesive for Bonding Staron® Sheet to Other Materials: 100 percent silicone sealant complying with ASTM C 920 or neoprene-based panel adhesive.

2.04 FABRICATION

- A. Follow instructions in manufacturer's Fabrication and Installation Manual.
- B. Fabricate solid surfacing in accordance with shop drawings.
- C. Shop Assembly: Fabricate components in shop to the greatest extent practical.
- D. Provide holes and cutouts for penetrations as shown on Drawings.

PART 3 - EXECUTION**3.01 EXAMINATION**

- A. Examine substrates upon which solid surfacing will be installed.
 - 1. Review manufacturer's Fabrication and Installation Check List.
- B. Coordinate with responsible entity to correct unsatisfactory conditions.
- C. Commencement of work by installer is acceptance of substrate conditions.

3.02 INSTALLATION

MANUFACTURER'S INSTALLATION INSTRUCTIONS ARE ADEQUATE FOR NORMAL INSTALLATION CONDITIONS. UNUSUAL CONDITIONS MAY REQUIRE ADDITIONAL INFORMATION IN THIS ARTICLE.

- A. Install solid surfacing and secure to substrate in accordance with manufacturer's Fabrication and Installation Manual.
 - 1. **Provide 1/8 inch (3mm) expansion joint for every 10 ft (3m) of wall cladding when cladding is enclosed by perpendicular walls at both ends or restrained on both ends by other objects.**

3.03 REPAIR

- A. Repair minor imperfections and cracked seams and replace sections of severely damaged surfaces in accordance with manufacturer's Fabrication and Installation Manual.

3.04 CLEANING

- A. Reference Section 01 74 00- Cleaning and Waste Management.
- B. Clean surfaces in accordance with manufacturer's Care and Maintenance Instructions.

3.05 PROTECTION

- A. Cover horizontal surfaces with heavy paper or cardboard to protect from damage until [date of Substantial Completion] [acceptance by Owner].

END OF SECTION¹

1. This specification was prepared specifically for Lotte Chemical Corp. USA by ASC Specification Consultants. Comments or suggestions for improvement should be addressed to Samsung Chemical at the address listed in Article 2.01 A.