

**SECTION 06651
PRIMA DECORA FABRICATION**

1.1 SUMMARY OF THE PRIMA DECORA FABRICATION WORK

- A. The Basix[®] Solid Surface Prima Decora fabrication work is comprised of furnishing and installing all Basix[®] Solid Surface Prima Decora fabrications consisting of monolithic solid thermoplastic, but not limited to, sheet work, lavatory bowls, sinks, shower pans, shower walls, thermoforming and accessories, all as shown on the drawings and as required to complete the work in this contract. The Basix[®] Solid Surface Prima Decora fabrication work includes the following:

1. Tub and shower walls
2. Shower bases
3. Wall cladding/wainscoting
4. Wall base
5. Chair rails
6. Window sills
7. Shower partitions
8. Toilet partitions
9. Specialty countertops
10. Reception area stations
11. Table tops
12. Bar tops
13. Kitchen countertops
14. Kitchen countertops with sink(s)
15. Kitchen island tops
16. Kitchen island tops with sink(s)
17. Vanity tops
18. Vanity tops with bowl(s)
19. Cold cafeteria surfaces
20. Hot cafeteria surfaces
21. Coved splashes
22. Thermoforming
23. Color inlays

1.2 BASIX[®] SOLID SURFACE PRIMA DECORA FABRICATION SUBMITTALS

- A. Shop drawings shall be supplied by the Basix[®] Solid Surface Prima Decora fabricator and shall include:
1. Scale and full size details for fabricated items
 2. Locations for cutouts
 3. Locations for faucet drillings
 4. Locations for accessories
 5. Edge details
 6. Requirements for blocking and/or other support
- B. LEED submittals if required:
1. Provide manufacturer's product data to support LEED Credits
 2. Provide manufacturer's documentation of certifications relating to sustainable attributes
- C. Food service installations
1. Provide documentation of manufacturer's compliance with NSF/ANSI Standard 51

1.3 DELIVERY, STORAGE AND HANDLING OF BASIX[®] SOLID SURFACE PRIMA DECORA FABRICATED MATERIALS

- A. Deliver fabricated work in protective packing so as to minimize any potential damage to work prior to installation.
- B. Do not deliver any materials to the site until areas are ready to receive them for installation.
- C. Store all materials indoors in a dry area away from extreme temperatures and sunlight.
- D. Handle all Basix[®] Solid Surface Prima Decora fabrication materials in such a way as to prevent damage to other finished surfaces.

1.4 QUALITY ASSURANCE FOR FABRICATION AND INSTALLATION OF BASIX[®] SOLID SURFACE PRIMA DECORA FABRICATION MATERIALS

- A. Fabricator Qualifications: All work shall be fabricated and installed by a fabrication professional who has been accredited by the International Surface Fabricators Association or who has demonstrated proficiency in the types of work required by this project. The fabrication professional shall have a minimum of five (5) years of Basix[®] Solid Surface Prima Decora fabrication experience and have completed a minimum of two (2) Basix[®] Solid Surface Prima Decora fabrication projects of similar scope and size to the solid surface fabrication and installation work of this project.
- B. Source Quality Control: Obtain and provide materials for all Basix[®] Solid Surface Prima Decora fabrications from a single manufacturer of Basix[®] Solid Surface Prima Decora materials with not less than five (5) years of successful experience in supplying principal materials for solid surface fabrication installations. Provide secondary and/or alternate materials only as recommended by the manufacturer of the primary Basix[®] Solid Surface Prima Decora materials.
 - 1. Pre-installation Conference: Approximately one week prior to the scheduled commencement of the Basix[®] Solid Surface Prima Decora fabrication installation, a meeting shall be held at the project site with the accredited fabrication professional, the Owner and all other applicable trade representatives, to coordinate the solid surface fabrication work.
 - 2. Applicable Standards:
 - a. American National Standards Institute (ANSI)
 - b. American Society for Testing Materials (ASTM)
 - c. National Electrical Manufacturers Association (NEMA)
 - d. ISFA (ISSFA-2-01)
 - e. NSF International
 - 3. Allowable Tolerances:
 - a. Variation in component size: plus or minus 1/8" (3 mm).
 - b. Location of openings: plus or minus 1/8" (3 mm) from location indicated.

1.5 WARRANTY FOR BASIX[®] SOLID SURFACE PRIMA DECORA FABRICATION AND INSTALLATION

- A. The manufacturer shall provide a limited warranty that the materials provided under this Section shall not develop visible defects or otherwise fail due to manufacturing defects within a period of ten (10) years from the date of acceptance by the Owner.

- B. Conditions not covered by manufacturer's warranty:
1. Failure of joints, seams or of any adhesive, caulk or other accessory, failure or degradation of decorative edge treatments. This description includes seam appearance.
 2. Failure of Basix® Solid Surface Prima Decora fabricator and installer to comply with manufacturer's fabrication and installation instructions or use and maintenance instructions.
 3. Any products moved from it's original place of installation.

BASIX® SOLID SURFACE PRIMA DECORA FABRICATION PRODUCTS

2.1 BASIX® SOLID SURFACE PRIMA DECORA FABRICATION MATERIALS

- A. Acceptable products: Prima Decora by Basix International.
- B. Material: Cast, mineral-filled, homogeneous, non-porous, decorative surface alloy, comprised of polyester and acrylic components conforming to ISSFA-2-01.
- C. Finish: Surface finish shall be manufacturer's standard matte finish, or an appropriate finish selected by the architect. Fabricator will supply a sample of the finish to be approved by the architect prior to fabrication of the product.

2.2 BASIX® SOLID SURFACE PRIMA DECORA FABRICATIONS

A. **Vertical Surfaces:**

1. Tub and Shower Walls: [1/4" (6 mm)] [1/2" (12 mm)] thick, standard panels of: Basix® Solid Surface Prima Decora applied to [existing, sound ceramic tile] [moisture-resistant, gypsum wallboard] [cementitious board] with [1/16" (1.5 mm)] [1/8" (3 mm)] wide [butt joints] [reveal joints, 1/8" deep x 1/4" wide reveal] [joint size and type as indicated on the drawings], sealed with silicone sealant matching color of Basix® unless otherwise indicated. [Hard seam and batten between panel joints.] Use silicone sealant to adhere panels to substrate. Provide panels to height as indicated on the drawings or in schedules. Provide sloped or coved top edge where panels stop short of ceiling. Provide silicone sealant joint top and bottom of panels and wherever panels adjoin adjacent materials; provide [clear] [colored to match color of Basix®] silicone sealant for joints unless otherwise noted.
2. Wall Cladding/Wainscoting: [1/4" (6 mm)] [1/2" (12 mm)] thick, standard panels of: Basix® Solid Surface Prima Decora by Basix International applied to [existing, sound plaster] [gypsum wallboard] [other solid substrates], with [1/16" (1.5 mm)] [1/8" (3 mm)] wide [butt joints] [reveal joints, 1/8" deep x 1/4" wide reveal] [joint size and type as indicated on the drawings], sealed with silicone sealant matching color of Basix® unless otherwise indicated. [Hard seam and batten between panel joints.] Provide tooled silicone sealant joint top and bottom of panels and wherever panels adjoin adjacent materials. Use silicone sealant to adhere panels to substrate.
3. Wall Base: 1/2" (12 mm thick Basix® Solid Surface Prima Decora to size and shape, and with edge details as indicated on the drawings. Provide wall base with inconspicuous joints using Basix® approved adhesive.
4. Chair Rails: 1/2" (12 mm) thick Basix® Solid Surface Prima Decora to size and shape, and with edge details as indicated on the drawings. Provide chair rails with inconspicuous joints using Basix® approved adhesive.

B. Horizontal Surfaces:

1. Specialty Countertops: 1/2" (12 mm) Basix® Solid Surface Prima Decora to size and shape, and with edge details as indicated on the drawings. [Provide countertops complete with specified bowl.] [Provide countertops complete with specified sinks.] Provide countertops with inconspicuous joints using Basix® approved adhesive. Surfaces shall not be affected by Class I reagents.
2. Reception Area Stations: Horizontal surfaces of 1/2" (12 mm) thick Basix® Solid Surface Prima Decora with edge details as indicated on the drawings. [Provide countertop complete with specified bowl.] [Provide countertops complete with specified sinks.] Provide countertop with inconspicuous joints using Basix® approved adhesive. Vertical surfaces shall be of [1/4" (6 mm)] [1/2" (12 mm)] thick Basix® with edge details as indicated on the drawings. Provide vertical facing with [inconspicuous joints using Basix® approved adhesive, 1/16" (1.5 mm) wide] [inconspicuous joints using Basix® approved adhesive, 1/8" (3 mm) wide] [butt joints, sealed with silicone sealant matching color of Basix®, unless otherwise indicated] [reveal joints, 1/8" deep x 1/4" wide reveal sealed with silicone sealant matching color of Basix® unless otherwise indicated] [Joint size and type as indicated on the drawings, sealed with silicone sealant matching color of Basix®, unless otherwise indicated].
3. Table Tops: Horizontal surfaces of 1/2" (12 mm) thick Basix® Solid Surface Prima Decora with edge details as indicated on the drawings. Provide tabletops using Basix® approved adhesive.
4. Bar Tops: Horizontal surfaces of 1/2" (12 mm) thick Basix® Solid Surface Prima Decora with edge details as indicated on the drawings. [Provide bar top complete with bar/utility sink.] [Under mount bar/utility sink.] [Seam mount bar/utility sink.] [Flush mount bar/utility sink.] Provide bartops using Basix® approved adhesive.
5. Kitchen Countertop: Horizontal surfaces of 1/2" (12 mm) thick Basix® Solid Surface Prima Decora with edge details as indicated on the drawings. Provide kitchen countertops using Basix® approved adhesive.
6. Kitchen Countertop with sink: Horizontal surfaces of 1/2" (12 mm) thick Basix® Solid Surface Prima Decora with edge details as indicated on the drawings, complete with [Under mount] [Seam mount] [Flush mount] sink. Provide [single bowl] [double bowl] kitchen sink Provide kitchen countertops using Basix® approved adhesive.
7. Kitchen Island Top: Horizontal surfaces of 1/2" (12 mm) thick Basix® Solid Surface Prima Decora with edge details as indicated on the drawings. Provide kitchen island countertops using Basix® approved adhesive.
8. Kitchen Island Top with Sink: Horizontal surfaces of 1/2" (12 mm) thick Basix® Solid Surface Prima Decora with edge details as indicated on the drawings, complete with [Under mount] [Seam mount] [Flush mount] sink. Provide [single bowl] [double bowl] kitchen sink. Provide kitchen island countertops using Basix® approved adhesive.
9. Vanity Tops: Horizontal surfaces of 1/2" (12 mm) thick Basix® Solid Surface Prima Decora with edge details as indicated on the drawings. Provide vanity tops using Basix® approved adhesive.
10. Window Sills: 1/2" (12 mm) thick Basix® to size, shape and tolerances, and with edge details as indicated on the drawings. Provide window sills with inconspicuous joints using Basix® approved adhesive.

11. Vanity Tops with Bowls: Horizontal surfaces of 1/2" (12 mm) thick Prima Decora by Basix International with edge details as indicated on the drawings, complete with [Under mount] [Seam mount] vanity bowl. Provide vanity tops using Basix® approved adhesive.

C. Commercial Food Service Countertops:

1. Cold Cafeteria Surfaces: Horizontal surfaces of 1/2" (12 mm) thick Basix® Solid Surface Prima Decora with edge details as indicated on the drawings. Provide cold cafeteria surfaces using Basix® approved adhesive.
2. Provide expansion joints in countertop as per details.
3. Make cutouts to template as furnished by item manufacturer. Radius corners of all cutouts to a minimum of 1/2" inside radius. Corner reinforcements are required.
4. Reinforce edges and cutouts as recommended by manufacturer.
5. Provide insulation between Basix® and adjacent cold surfaces.
6. Thermally isolate hot applications from cold: follow manufacturer's method and recommendations.
7. Hot Cafeteria Surfaces: Horizontal surfaces of 1/2" (12 mm) thick Basix® Solid Surface Prima Decora with edge details as indicated on the drawings. Provide hot cafeteria surfaces using Basix® approved adhesive.
8. Provide expansion joints in countertop as detailed on the drawings.
9. Make cutouts to templates furnished by manufacturer. Radius corners of all cutouts to a minimum of 1/2" inside radius. Corner reinforcements are required.
10. Reinforce edges and cutouts as recommended by manufacturer.
11. Thermally isolate hot applications from cold following manufacturer's methods and recommendations.
12. Provide Insulation: between Basix® and adjacent hot water pans, food warmers and other hot surfaces or equipment.
13. Provide Venting of Cabinets: as indicated on the drawings. [Architect must design and specify].

D. Specialty Fabrications:

1. Coved splashes: Vertical backsplash or side splash surfaces of 1/2" (12 mm) thick Basix® Solid Surface Prima Decora with edge details as indicated on the drawings, complete with integral cove at base of splash. Provide coved splashes using Basix® approved adhesive.
2. Thermoforming: Custom formed vertical or horizontal surfaces of [1/4" (6 mm)] [1/2" (12 mm)] thick Basix® Solid Surface Prima Decora with edge details, radii and connections to other Basix® Solid Surface Prima Decora fabrications as indicated on the drawings. Comply with product data and technical instructions from the manufacturer.
3. Color inlay: Custom inlaid vertical or horizontal surfaces of 1/2" (12 mm) thick Basix® with design details, patterns and color combinations as indicated on the drawings.

2.3 ACCESSORY PRODUCTS

- A. Sealants: When required, sealants shall be 100% silicone and shall be matched to sheet color unless otherwise noted.
- B. Adhesives:

Flexible adhesive shall be 100% silicone and shall be matched to Basix[®] sheet color.

Rigid structural adhesive shall be Basix[®] seam adhesive as manufactured by Basix[®] International or approved by same.
- C. Sink/Bowl mounting hardware: Provide hardware for mounting sinks and bowls as approved by manufacturer. Provide bowl clips, panel inserts and fasteners for attachment of sinks and bowls as required and as recommended by the solid surface manufacturer.

EXECUTION OF BASIX[®] SOLID SURFACE PRIMA DECORA FABRICATION AND INSTALLATIONS

3.1 PREPARATION OF BASIX[®] SOLID SURFACE PRIMA DECORA FOR INSTALLATION

- A. Observe all recommended and required safety precautions including, but not limited to, eye protection hearing protection, skin protection and adequate ventilation.
- B. Maintain clean work surfaces during seaming and other joint work.
- C. Fabricate and install work at temperatures above sixty-five (65) degrees F.

3.2 FABRICATION OF BASIX[®] SOLID SURFACE PRIMA DECORA MATERIAL

- A. Fabrication shall be performed by an ISFA accredited fabricator or who has demonstrated proficiency in the types of work required by this project.
- B. Shop fabricated components to greatest extent practicable to sizes and shapes indicated, in accordance with approved shop drawings.
- C. Special techniques: Comply with the manufacturer's recommendations for the use of specific types of stationary equipment and stationary tools. Site fabrication and finishing processes shall be in accordance with the manufacturer's recommendations for working with the Basix[®] Solid Surface Prima Decora fabrication materials.
- D. Form seams between components, unless otherwise indicated, using solid surface manufacturer's standard seam adhesive. Adhesive shall be color coordinated to match solid surface material color and shall form inconspicuous seams.
- E. Provide cutouts for plumbing fittings and bath accessories as indicated on the drawings and as recommended by the equipment and solid surface manufacturer.
- F. Cut and finish component edges with clean, sharp returns. Route radii and contours to exact template sizes. Repair or reject defective or inaccurate work.

3.3 INSTALLATION OF BASIX[®] SOLID SURFACE PRIMA DECORA MATERIALS

- A. Prepare substrate, plane, plumb and level, secure in place with all fasteners set flush. Shim supporting structure as required to provide an acceptable surface for attaching finish materials.
- B. Install components, plane, plumb and level, in accordance with approved shop drawings and product data.
- C. Pre-fit finish material in place. Scribe material as required to provide proper fit with adjacent materials.
- D. Provide additional support for material seams in both horizontal and vertical locations. Separation/release paper shall be provided between all supports and seams to prevent direct adhering of finish material to substrate.
- E. Form field joints using manufacturer's recommended adhesive, with inconspicuous joints in finished work.
- F. Prior to installing Basix[®] Solid Surface Prima Decora fabrication, make sure that substrate is clean and dry. Place silicone "dabs" on substrate in accordance with manufacturer's recommendations.
- G. Sink and Bowl Installation:
 - 1. Adhere [under mount] [seam mount] [flush mount] sinks/bowls to countertops using manufacturer's recommended adhesive and mounting hardware.
 - 2. Adhere top mount sinks/bowls to countertops using manufacturer's recommended [color matched] [clear] flexible adhesive.
- H. Provide backsplashes and sidesplashes as indicated on the drawings. Adhere backsplashes and sidesplashes to countertops using manufacturer's recommended [color matched] [clear] flexible adhesive.
- I. Keep components and hands clean during installation. Remove adhesives, sealants and other stains from the work as they occur.
- J. During installation, protect surfaces of solid surface fabrications from damage until all components have been installed.
- K. Make plumbing connections to sinks in accordance with Division 15, Mechanical. Do not over tighten connections which are in direct contact with or attached to solid surface fabrications.

3.4 PROTECTION OF BASIX[®] SOLID SURFACE PRIMA DECORA FABRICATION

- A. After fabrication and installation, protect surfaces of solid surface fabrications from damage until accepted by the Owner. Replace any damaged material prior to acceptance.

3.5 CLEANING OF BASIX[®] SOLID SURFACE PRIMA DECORA FABRICATION

- A. After installation, all surfaces shall be cleaned to remove contaminants. After cleaning, all work shall be protected against damage until it is accepted by the Owner. Thereafter, it shall be the responsibility of the Owner to maintain protection and provide final cleaning.