**Division 06 xx xx**

**Vendura® Solid Surface Fabrications**

**Part 1 - GENERAL**

* 1. **Summary**
     1. Solid Surface Countertops/Vanities/Splashes
     2. Standard Solid Surface Sinks
     3. Custom trough-sinks and sinks
     4. Solid Surface Window Sills
     5. Solid Surface Door Thresholds
     6. Solid Surface Sheet Stock
     7. Solid Surface Wall’s

# Related Documents

* + 1. Drawings and general provisions of the Contract and Division 01 Specification Sections apply to this Section
    2. Section 016000 - PRODUCT REQUIREMENTS
    3. Section 061000 - ROUGH CARPENTRY
    4. Section 064000 - ARCHITECTURAL WOODWORK: Shop fabricated millwork and architectural woodwork

# References

* + 1. American National Standards Institute (ANSI)
    2. American with Disabilities Act Accessibility Guidelines (ADAAG)
  1. **Definitions**
     1. Solid Surface: acrylic modified unsaturated polyester resin with an inert filler
     2. PMMA: Polymethyl methacrylate, also known as “acrylic”
  2. **System Description**
     1. Performance Requirements:
        1. Fungal and Bacterial Resistance: Vendura Solid Surface does not support fungal and bacterial growth as tested in accordance with JIS Z 2801 / ISO 22196

# Submittals

* + 1. See Section 013000 – Requirements for submittal procedures
    2. Indicate product description, fabrication information and compliance with specified performance requirements
    3. Shop Drawings: Indicate dimensions, thicknesses, radiuses, tolerances, materials, colors, finishes, fabrication details, field seaming, adjacent construction, methods of support, integration of plumbing components, and anchorages.
  1. **Product Data**

|  |  |  |
| --- | --- | --- |
| **Property** | **Test** | **Results** |
| Point Impact Resistance (½” Material Only) | ½ lb. Steel Ball Drop at 204 inches | No Damage |
| Knife Drop Test (½” Material Only) | ANSI Z124.6-1990 | No Cracks or Fractures |
| Skillet Drop Test (½” Material Only) | 10.5 inch Cast Iron Skillet weighing 4.5 lbs. Drop at 12 inches | No Cracks or Fractures |
| Load Test (½” Material Only) | 300 lbs. On a 24 inch by 30 inch panel | Passes  0.003” Residual Deflection |
| Colorfastness | ASTM D 2565 | Passes |
| Stain Resistance | ANSI Z124.6-1997 Paragraph 5.2 | Passes |
| Cigarette Resistance | ANSI Z124.6-1997 Paragraph 5.4 | Passes |
| Chemical Resistance | ANSI Z124.6-1997 Paragraph 5.5 | Passes |
| Heated Pan Test | ANSI Z124.6-1997 Paragraph 5.6 | Passes |
| Coefficient of Friction | ASTM C1028-07 | Dry Conditions: Pass .915 Avg. Wet Conditions: Pass .787 Avg. |
| Water Resistance | SS-1 Performance Standard for Solid Surface Materials Section 5.7 | Passes |
| Renewability | SS-1 Performance Standard for Solid Surface Materials Section 6.1 | Passes |
| Fungus and Bacteria Resistance | ASTM-G21 &G22 | Passes |
| Flame Spread and Smoke Density  Food Equipment Materials | ASTM E 84  NSF51 | Class 1 Rating-Test Report # T-13709 10 Flame Spread, 115 Smoke Develop  Passes |
| Tensile Strength (¼” Material Only) | ASTM D 638 | 6300 psi |
| Tensile Modulus (¼” Material Only) | ASTM D 638 | 1.35 x 106 psi |
| Flexural Strength (¼” Material Only) | ASTM D 790 | 8410 psi |
| Flexural Modulus (¼” Material Only) | ASTM D 790 | 1.5 x 106 psi |
| Elongation (¼” Material Only) | ASTM D 638 | .3% |
| Barcol Hardness | Barcol Impresser | 58-62 |
| Weight Per Square Foot (¼” Material Only) |  | Approximately 2.23 to 2.81 lbs.  Depending on Color |

* 1. Samples: Verification samples minimum of 2” x 3” samples indicating color, pattern and granule dispersion
  2. Manufacturer's Installation Instruction: [www.vendura.com\Product](http://www.vendura.com\Product) Manufacturing\Technical Documents\
  3. Maintenance Data: [www.vendura.com\Product](http://www.vendura.com\Product) Manufacturing\Technical Documents\
  4. **Delivery, Storage and Handling**
     1. Within 24 hours, inspect materials at delivery to ensure that specified products have been received and have no damage
     2. Store in original packaging in an interior climate-controlled location away from direct sunlight

# Warranty

* + 1. 10-Year Limited Warranty against material and manufacturing defects, see [www.vendura.com](http://www.vendura.com)

# PART 2 - PRODUCTS

* 1. **MANUFACTURERS**

Vendura Industries

1202 Femrite Drive, Madison, WI 53590 USA

Telephone: 608.444.7680

www.vendura.com

Substitutions: Not permitted

# Fabrication

# Fabricate units accordingly to manufacturer’s instructions

# Manufactured Units

* + 1. Countertops and Vanities

1. Dimensions: See architectural drawings
2. Thicknesses: <specify>
3. Splashes: Indicate “set-on” or “coved”, <height>, and <thickness>
4. Color: Choose solid or granulated color from [www.vendura.com\color collection\](http://www.vendura.com\color%20collection\)
5. Sub-top material: indicate “full” vs “stick”
6. Indicate if ADA compliant
   * 1. Custom trough-sinks and sinks
7. Dimensions: See architectural drawings
8. Wall and Top Thicknesses: ½” or <specify>
9. Bottom Thickness: ¾”
10. Slope to drain shall not be steeper than 2 degrees
11. Splashes: Indicate “set-on” or “coved”, <height>, and <thickness>
12. Overflow: <with> or <without>
13. Color: Choose solid or granulated color from [www.vendura.com\color collection\](http://www.vendura.com\color%20collection\)
    * 1. Standard Sinks

Part Numbers

|  |  |  |
| --- | --- | --- |
| BL-1713LOVS-XXX | 17” x 13” Large Oval (XXX=Color Code) | ADA |
| BL-1610SOVS-XXX | 16” x 10” Small Oval (XXX=Color Code) | ADA |
| BL-1612OLVS-XXX | 16” x 12” Ovella Oval (offset overflow) (XXX=Color Code) | ADA |
| BL-1813ADVS-XXX | 18”x 13” Adonis Oval (large front-end) (XXX=Color Code) | Not-ADA |
| BL-1810FNVS-XXX | 18” x 13” Finn (square with flat area) (XXX=Color Code) | Not-ADA |
| BL-1712SWVS-XXX | 17” x 12” Small Wave (square with rounded bottom) (XXX=Color Code) | Not ADA |
| BL-1613LNVS-XXX | 16” x 13” Linear (square with square bottom) (XXX=Color Code) | Not ADA |
| BL-1813MGVS-XXX | 18” x 13” Magnus (square with square bottom) (XXX=Color Code) | Not ADA |
| BL-1714TUVS-XXX | 17” x 14” Turid (square with sloped bottom) (XXX=Color Code) | Not ADA |
| BL-2112BBSB-XXX | 21” x 12” Baby Sink (XXX=Color Code) | Not ADA |
| BL-1613LBRS-XXX | 16” x 13” Large Bar Sink (XXX=Color Code) | Not ADA |
| BL-1310SBRS-XXX | 13” x 10” Small Bar Sink (XXX=Color Code) | Not ADA |

* + 1. Window Sills

1. Dimensions: See architectural drawings
2. Thicknesses: <specify>
3. Color: Choose solid or granulated color from [www.vendura.com\color collection\](http://www.vendura.com\color%20collection\)
4. Insulated or non-insulated
5. Features: Ears? Build-up on front edge?
6. Maximum un-seamed length is 96”
   * 1. Door Thresholds
7. Dimensions: See architectural drawings
8. Thicknesses: <specify>
9. Color: Choose solid or granulated color from [www.vendura.com\color collection\](http://www.vendura.com\color%20collection\)
   * 1. Sheet Stock
10. Maximum of 48” wide
11. Maximum of 144” long
12. Maximum square footage of 32 square feet
13. Thicknesses: <specify>
14. Color: Choose solid or granulated color from [www.vendura.com\color collection\](http://www.vendura.com\color%20collection\)
15. Unless otherwise specified, unfinished sheets are sanded to 200 grit
    1. Finishes
       1. Refer to Vendura Color Pallet at [www.vendura.com\Color Collection\](http://www.vendura.com\Color%20Collection\)
       2. Finishes vary from 15 to 25

# PART 3 - EXECUTION

* 1. **EXAMINATION**
     1. Verify that field measurements conform to submittals and product
     2. Verify that field seam preparation and affected dimensions are acceptable
     3. Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.

# PREPARATION

* + 1. Clean area
    2. Field Measurement
       1. Measure actual dimensions at the site, prior to fabrication, to assure proper fit and installation
    3. Blocking, where applicable
       1. Provide and locate blocking behind all component locations
       2. Coordinate all concealed blocking to be provided under Section 061000 - ROUGH CARPENTRY.
    4. Coordinate mechanical and electrical provisions that are to be integrated into components

# INSTALLATION

* + 1. Install components in accordance with shop drawings and manufacturer's instructions
    2. Align work plumb and level
    3. Perform field seams using manufacturer's approved process and material
    4. Confirm that all attachment areas (walls, floors, etc) are solid/rigid and flat
    5. Attach countertops securely to base units or support brackets in accordance with manufacturer's printed instructions
    6. Adhere undermount sinks to countertop using manufacturer's material
    7. Adhere loose splashes to countertop using manufacturer's recommended translucent colored silicon. Do NOT use clear silicon.
    8. Seal between wall and component with manufacturer's recommended silicon adhesive

# CLEANING

* + 1. Clean and polish surfaces in accordance with manufacturer's instructions. [www.vendura.com\Technical](http://www.vendura.com\Technical) Documents\Care and Maintenance

# PROTECTION

* + 1. Protect installed components from subsequent construction operations.
    2. Do not permit construction near unprotected surfaces.
    3. Replace all scratched, marred, or otherwise damaged materials that cannot be restored to "like new" appearance with new, undamaged materials.

# END OF SECTION

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