**Division 22 xx xx**

**Vendura® Solid Surface Shower Receptors (ADA, non-ADA, Ligature Resistant)**

**Part 1 - GENERAL**

* 1. Summary
		1. Solid Surface Shower Receptors
	2. Related Requirements
		1. Section 22xxxx “Healthcare Plumbing Fixtures” for healthcare showers
		2. Section 22xxxx “Ligature Resistant Fixtures” for behavioral health showers
	3. References
		1. American National Standards Institute (ANSI)
		2. American with Disabilities Act Accessibility Guidelines (ADAAG)
	4. Definitions
		1. Solid Surface: acrylic modified unsaturated polyester resin with an inert filler
		2. PMMA: Polymethyl methacrylate, also known as “acrylic”
	5. System Description
		1. Performance Requirements:
			1. ANSI 124.1.2-2005 when tested for workmanship and finish, structural integrity and material characteristics
			2. Fungal and Bacterial Resistance: Vendura Solid Surface does not support fungal and bacterial growth as tested in accordance with JIS Z 2801 / ISO 22196
	6. Submittals
		1. See Section 013000 – Requirements for submittal procedures
		2. Shop Drawings: Indicate dimensions, thicknesses, colors, dam wall dimensions, curb details, drain types/sizes/location, and textured vs sanded bottoms
	7. 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 | Passes0.003” 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 DensityFood Equipment Materials | ASTM E 84NSF51 | Class 1 Rating-Test Report # T-13709 10 Flame Spread, 115 Smoke DevelopPasses |
| 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: WI-00073 ([www.vendura.com\Product](http://www.vendura.com\Product) Manufacturing\Technical Documents\)
	3. 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
	4. Warranty
		1. 10-Year Limited Warranty against material and manufacturing defects, see [www.vendura.com](http://www.vendura.com)

**Part 2 - PRODUCTS**

* 1. Manufacturer

Vendura Industries

1202 Femrite Drive, Madison, WI 53590 USA

Telephone: 608.444.7680

www.vendura.com

Substitutions: Not permitted

* 1. Manufactured Units
		1. Custom Receptors
1. Part Number - SB-SHOWERBASECUSTOM
2. See plan drawings for dimensions
3. Slope to drain shall not be steeper than 2 degrees
4. Drain Location:
	1. Center Drain Location (min 6” from the dam wall) – ADA Compliance must be verified
	2. Linear Drain
5. Textured vs Sanded bottom
6. Water Barrier- Not required
	* 1. Standard Receptors

Part Numbers

|  |  |
| --- | --- |
| SB-3636LCCD-XXX-A | 36” x 36” Low Curb Center Drain (XXX=Color Code) |
| SB-3636FCCD-XXX-A | 36” x 36” Full Curb Center Drain (XXX=Color Code) |
| SB-3636FDTD-XXX-A | 36” x 36” Front Dual Trench Drain (XXX=Color Code) |
| SB-3636RDTDLC-XXX-A | 36” x 36” Rear Dual Trench Drain Low Curb (XXX=Color Code) |
| SB-3636RDTDFC-XXX-A | 36” x 36” Rear Dual Trench Drain Full Curb (XXX=Color Code) |
| SB-3060LCCD-XXX-A | 30” x 60” Low Curb Center Drain (XXX=Color Code) |
| SB-3060FCCD-XXX-A | 30” x 60” Full Curb Center Drain (XXX=Color Code) |
| SB-3060FDTD-XXX-A | 30” x 60” Front Dual Trench Drain (XXX=Color Code) |
| SB-3060RDTDLC-XXX-A | 30” x 60” Rear Dual Trench Drain Low Curb (XXX=Color Code) |
| SB-3060RDTDFC-XXX-A | 30” x 60” Rear Dual Trench Drain Full Curb (XXX=Color Code) |
| SB-3660LCCD-XXX-A | 36” x 60” Low Curb Center Drain (XXX=Color Code) |
| SB-3660FCCD-XXX-A | 36” x 60” Full Curb Center Drain (XXX=Color Code) |
| SB-3660FDTD-XXX-A | 36” x 60” Front Dual Trench Drain (XXX=Color Code) |
| SB-3660RDTDLC-XXX-A | 36” x 60” Rear Dual Trench Drain Low Curb (XXX=Color Code) |
| SB-3660RDTDFC-XXX-A | 36” x 60” Rear Dual Trench Drain Full Curb (XXX=Color Code) |
| SB-3462LCCD-XXX-A | 34” x 62” Low Curb Center Drain (XXX=Color Code) |
| SB-3462FCCD-XXX-A | 34” x 62” Full Curb Center Drain (XXX=Color Code) |
| SB-3462FDTD-XXX-A | 34” x 62” Front Dual Trench Drain (XXX=Color Code) |
| SB-3462RDTDLC-XXX-A | 34” x 62” Rear Dual Trench Drain Low Curb (XXX=Color Code) |
| SB-3462RDTDFC-XXX-A | 34” x 62” Rear Dual Trench Drain Full Curb (XXX=Color Code) |
| SB-4242NWSB-XXX-A | 42 Neo with wing walls (XXX=Color Code) |

1. See plan drawings for dimensions
2. Slope to drain shall not be steeper than 2 degrees
3. Drain Location:
	1. Center Drain Location (min 6” from the dam wall) – ADA Compliance must be verified
	2. Linear Drain
4. Textured vs Sanded bottom
5. Water Barrier- Not required
	1. Materials
		1. Shower receptors are manufactured from an acrylic modified unsaturated polyester resin with an inert filler
	2. Finishes
		1. Refer to Vendura color palette
		2. Finishes vary from 15 to 25

**Part 3 - EXECUTION**

* 1. Examination
		1. Install area shall be level and clean
	2. Preparation
		1. Clean area by removing dust, debris and loose particles
	3. Installation
		1. Follow Vendura installation instructions. See [www.vendura.com\Product](http://www.vendura.com\Product) Manufacturing\Technical Documents\
	4. Cleaning
		1. At completion of the installation, clean surfaces in accordance with the Vendura® Solid Surface clean-up and maintenance instructions. See [www.vendura.com\Product](http://www.vendura.com\Product) Manufacturing\Technical Documents\

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