

## **SECTION 09 70 00**

### **WALL FINISHES**

#### **Part 1 GENERAL**

##### 1.1 Summary

A. Section Includes: Pre-engineered wall system including wall panels, mounting extrusions, bases and frame. Wall system comes "ready to install" with fasteners, adhesives, and other materials required for a complete assembly. Fasteners shall be concealed type.

B. Related Sections:

1. Section 14 27 00 – Elevators

##### 1.2 References

A. ASTM E84 – Surface Burning Characteristics of Building Materials.

##### 1.3 Submittals

A. Provide submittals in accordance with Section 01 30 50 – Submittal Procedures.

B. Submit manufacturer's shop drawings, installation drawings, installation instructions and maintenance instructions.

C. Submit environmental impact data for all materials.

D. Submit samples no less than 4" x 4" for all specified material finishes.

E. Submit panel edge extrusion samples no less than 4" of specified finish.

F. Submit mock-up of wall system no less than 12" x 12".

G. Manufacturer information:

1. Provide overview literature describing manufacturer's overall scope of products and manufacturing capabilities.
2. Provide URL for manufacturer's web site; web site must provide access to technical data, images and general product information.

##### 1.4 Quality Assurance

A. Manufacturer Qualifications

1. Minimum 10 years experience in the manufacture of architectural surface materials.
2. Minimum 10 years experience in the fabrication of wall systems.
3. Provide reference list of at least 20 public space projects currently using walls fabricated by the manufacturer.

B. Installer Qualifications

1. Minimum three years experience in the installation of wall systems.

##### 1.5 Delivery, Storage and Handling

A. Deliver materials to installation site in manufacturer's original packaging. Handle products in accordance with manufacturer's instructions. Store in dry, secure location, protected against direct

sunlight and excessive heat. Protect finished surfaces with strippable film.

## 1.6 Warranty

A. Provide manufacturer's standard warranty.

1. Warranty terms: one year against defects in materials and workmanship.

## Part 2 PRODUCT

### 2.1 Manufacturer

A. Provide LEVELe Wall System by

Forms+Surfaces

30 Pine Street

Pittsburgh, PA 15223

phone: 800-451-0410

fax: 412-781-7840

email: sales@forms-surfaces.com

website: www.forms-surfaces.com

### 2.2 Wall Panels

A. General

1. Provide interlocking grid panel system with inset panels mounted to extruded aluminum frames on structural backer. The recommended substrate is 3/4" fire-rated OSB or plywood.
2. Panel configuration: Forms+Surfaces' LEVELe Wall System with Capture style panel frames. See drawings for panel layout and reveal spacing.
3. Provide inset panels in the finishes specified.
4. Weight per square foot: average 2.40 lbs to 3.04 lbs
5. Frames are extruded aluminum. Aluminum is inherently non-combustible.

B. Inset Materials

1. Stainless Steel Panels

- a. Material: Stainless Steel.
- b. Finish: Forms+Surfaces Sandstone, Seastone, Linen, Diamond, Mist, Mirror, Satin, Silk (choose one)
- c. Impression: Forms+Surfaces Champagne, Chardonnay, Dallas, Denver, Dune, Kalahari (choose one)
- d. Eco-Etch: Forms+Surfaces City Lights, Current, Dash, Flicker, Glacier, Mica, Reeds, Seagrass, Sequence, Silkworm, Stacks, Stripe, Thatch, Trace (choose one)
- e. Fusion: Forms+Surfaces Carbon, Cinch, Mesa, Moraine (choose one)
- f. Fire rating: Stainless Steel is inherently non-combustible and generally considered to be NFPA and IBC Class A fire rated and UBC Class 1 fire rated.
- g. Substrate: fire-rated structural backer.

2. Fused Metal® Panels

- a. Material: Forms+Surfaces Fused Bronze, Fused Graphite, Fused Nickel Bronze, Fused Nickel Silver, Fused White Gold (choose one)

- b. Finish: Forms+Surfaces Sandstone, Seastone, Linen, Diamond, Mirror, Satin (choose one)
  - c. Impression: Forms+Surfaces Champagne, Chardonnay, Dallas, Denver, Dune, Kalahari (choose one)
  - d. Eco-Etch: Forms+Surfaces City Lights, Current, Dash, Flicker, Glacier, Mica, Reeds, Seagrass, Sequence, Silkworm, Stacks, Stripe, Thatch, Trace (choose one)
  - e. Fusion: Forms+Surfaces Carbon, Cinch, Mesa, Moraine (choose one)
  - f. Fire rating: Architectural Metals are inherently non-combustible and generally considered to be NFPA and IBC Class A fire rated and UBC Class 1 fire rated.
  - g. Substrate: fire-rated structural backer.
3. Linq Woven Metal Insets
- a. Material: Stainless Steel, Brass (choose one)
  - b. Pattern: Echo, Merge, Rhythm, Slope, Sum, Wave (choose one)
  - c. Patina: Natural, Dark (choose one)
  - d. Fire rating: Architectural metal is inherently non-combustible and generally considered to be NFPA and IBC Class A fire rated and UBC Class I fire rated.
4. Bonded Metal® Panels
- a. Material: Forms+Surfaces Bonded Aluminum, Bonded Bronze, Bonded Nickel Silver (choose one)
  - b. Pattern: Austin, Champagne, Chardonnay, Charleston, Dash, Delta, Glint, Grass, Herringbone, Kalahari, Loft, Mara, Rain, Sahara, Talus, Terrane, Tilt, Trevia, Vancouver, Undercurrent, Waterfall (choose one)
  - c. Patina: Natural or Dark (choose one)
  - d. Fire rating: NFP and IBC Class B fire rated and UBC class 2 fire rated
  - e. Substrate: structural backer.
5. Bonded Quartz Panels
- a. Material: Forms+Surfaces Bonded White, Bonded Charcoal (choose one).
  - b. Pattern: Carbon, Crinkle, Current, Dash, Dune, Glint, Grass, Herringbone, Kalahari, Loft, Mara, Sahara, Tilt, Trevia, Waterfall (choose one)
  - c. Fire rating: NFP and IBC Class C fire rated and UBC class 3 fire rated
  - d. Substrate: structural backer.
6. Laminated Glass Panels
- a. Material: VividGlass: ViviChrome Chromis, ViviChrome Scribe, ViviGraphix Graphica, ViviSpectra Elements, ViviSpectra Spectrum, ViviSpectra VEKTR, ViviSpectra Zoom, ViviStone Abalone Onyx, ViviStone Cream Onyx, ViviStone Honey Onyx, ViviStone Opal Onyx, ViviStone Pearl Onyx, ViviStone White Onyx, ViviStrata Layers, ViviTela Mesh (choose one)
  - b. Material: BermanGlass Levels Kiln Cast Glass: Corduroy + Taupe, Hikaru + Taupe, Nuv'eau + Taupe, Corduroy + Shimmer, Hikaru + Shimmer, Nuv'eau + Shimmer, Hikaru + Shadow, Nuv'eau

+ Shadow, Corduroy + Switchbacks, Corduroy + Caprice, Nuv'eau + Lagoon, Hikaru + Obsidian

c. Fire rating: VividGlass glass is Class A fire rated in accordance with ASTM designation E84-09, standard test method of surface burning characteristics of building materials. The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

#### 7. Illuminated Glass Panels

a. Material: VividGlass: ViviChrome Chromis, ViviSpectra Elements, ViviGraphix Graphica, ViviSpectra Spectrum, ViviSpectra VEKTR, ViviSpectra Zoom, ViviStone Abalone Onyx, ViviStone Cream Onyx, ViviStone Honey Onyx, ViviStone Opal Onyx, ViviStone Pearl Onyx, ViviStone White Onyx, ViviTela Mesh (choose one)

b. Material: BermanGlass Levels Kiln Cast Glass: Corduroy + Taupe, Hikaru + Taupe, Nuv'eau + Taupe, Corduroy + Shimmer, Hikaru + Shimmer, Nuv'eau + Shimmer, Hikaru + Shadow, Nuv'eau + Shadow, Corduroy + Switchbacks, Corduroy + Caprice, Nuv'eau + Lagoon, Hikaru + Obsidian (choose one)

#### 8. Wood Veneer Panels

a. Material: Forms+Surfaces American Cherry, American Cherry with Dark Mahogany Stain, American Walnut, Bamboo, White Birch, Australian Lacewood, Birdseye Maple, Walnut Burl, Wenge (choose one)

#### 9. Aluminum Panels

a. Material: Aluminum

### C. Base

#### 1. Stainless Steel Panels

a. Material: Stainless Steel.

b. Finish: Forms+Surfaces Sandstone, Seastone, Linen, Diamond, Mist, Mirror, Satin, Silk (choose one)

#### 2. Fused Metal® Panels

a. Material: Forms+Surfaces Fused Bronze, Fused Graphite, Fused Nickel Bronze, Fused Nickel Silver, Fused White Gold (choose one)

b. Finish: Forms+Surfaces Sandstone, Seastone, Linen, Diamond, Mirror, Satin (choose one)

### D. Panel Frames and Outside Corner Extrusions

1. Material: Extruded, anodized aluminum

2. Finish: Clear, Black or Antique Bronze anodized (choose one)

### E. Reveals

1. Material: Surface applied color reveal strip

2. Finish: Black

## Part 3 EXECUTION

### 3.1 Preparation

A. Protect wall finishes, fixtures and equipment from damage caused by work of this Section.

### 3.2 Installation

- A. Install in accordance with wall system manufacturer's instructions.

### 3.4 Cleaning and Protection

- A. Remove strippable film. Clean exposed surfaces in accordance with manufacturer's instructions.
- B. Protect exposed surfaces from damage by subsequent construction.