

## SECTION 05 58 26

### FORMED STAINLESS STEEL INSIDE CORNER

iMPERVIUS GLOBAL™

[www.imperviusglobal.com](http://www.imperviusglobal.com) 1-800-953-3213 [sales@imperviusglobal.com](mailto:sales@imperviusglobal.com)

#### PART 1 GENERAL

##### 1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and Division 1 Specification Sections apply to this Section.

##### 1.02 SUMMARY

- A. This Section includes Stainless Steel Inside Corner and installation accessories.

##### 1.03 SUBMITTALS

- A. Product Data: Submit manufacturer's product data for each type of Stainless Steel Inside Corner specified, including the following:
  - 1. Installation accessories.
  - 2. Installation instructions.
- B. Samples: Submit samples to the Architect for review prior to delivering materials to the site or commencing the work in this Section.
  - 1. Inside Corner: Submit 3 full size samples, minimum 4 inches in length, of each type Stainless Steel Inside Corner required with specified finish.
- C. LEED Submittals:
  - 1. Credit MR 4.1 and Credit MR 4.2 – Recycled Content: Product data and certification letter indicating percentages by weight of post-consumer and pre-consumer recycled content for products having recycled content. Include statement indicating costs for each product having recycled content.
    - a. Submit certification of steel process used in the manufacturing of steel items as well as the industry average recycled content per the steel recycling institute.
  - 2. Credit EQ 4.1 – Adhesives and Sealants: Submit documentation including statement of VOC content.



1.04 QUALITY ASSURANCE

- A. Installer Qualifications: Installation of work of this Section shall be by a subcontractor approved by the manufacturer with a minimum of 5 years experience in similar work or other decorative metal installations having successful in-service performance.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Packing and Shipping: Deliver materials to site in manufacturer's original unopened packaging with labels intact. Protect finished surfaces with removable wrapping or protective plastic film which will not bond when exposed to sunlight.
- B. Storage: Store Stainless Steel Inside Corner in manufacturer's original packaging, off ground and under cover away from direct sunlight, protected from weather, extreme temperature, moisture or other damage.
- C. Handling: Handle materials so that surfaces are protected. Prevent distortion or damage to fabricated pieces.

1.06 PROJECT/SITE CONDITIONS

- A. Environmental Requirements: Areas to receive inside corner shall be enclosed with HVAC in operation and maintaining temperatures within range expected during building occupancy to avoid thermal dimensional change in lengths of material after installation.

1.07 SCHEDULING AND SEQUENCING

- A. Coordination: Coordinate installation of Stainless Steel Inside Corner with associated trim, flooring and wall finishes and other adjacent trim, floor and wall finishes.

1.08 MAINTENANCE

- A. Extra Materials: Furnish 1 length(s) of each type of Stainless Steel Inside Corner specified, not less than 8'-0" each, for Owner's maintenance use.

## PART 2 PRODUCTS

### 2.01 MATERIALS

- A. Stainless Steel Sheet: ASTM A240, Type 304
  - 1. Gauge: 24 gauge.
  - 2. Finish: No. 4 Brushed in accordance with ASTM A480.
- B. Recycled Content: Stainless steel shall have a postconsumer recycled content plus one-half of pre-consumer recycled content of not less than 25 percent.

### 2.02 FORMED STAINLESS STEEL INSIDE CORNER

- A. Type 304 Formed Stainless Steel Inside Corner:
  - 1. Model: ST-081

### 2.03 INSTALLATION ACCESSORIES

- A. LEED Requirements: Adhesive shall have a VOC content of 50 g/L or less when calculated according to 40CFR 59, Subpart D (EPA Method 24).
- B. Adhesive: Manufacturer's standard VOC compliant polymer adhesive supplied in Tubes, Sausages 3.5-gallon bucket.

### 2.04 FABRICATION

- A. Formed Stainless Steel Inside Corner shall be factory formed from stainless steel sheet with directional polish grain oriented parallel with length.

## **PART 3            EXECUTION**

### **3.01        EXAMINATION**

- A.      Verification of Conditions: Examine subsurfaces to receive Work and report detrimental conditions in writing to Architect. Commencement of Work will be construed as acceptance of subsurfaces.
  - 1.      Painted walls shall be dry and thoroughly cured prior to application of Stainless Steel Inside Corner
  - 2.      Perform adhesion test on painted drywall or plaster walls to receive Stainless Steel Inside Corner in accordance with manufacturer's installation instructions to verify proper adhesion.
- B.      Coordination: Coordinate with other work which affects, connects with, or will be concealed by this Work.
  - 1.      Coordinate installation of Stainless Steel Inside Corner with application of wall finishes.
  - 2.      Verify application of wall finish is completed and ready for installation of trim.

### **3.02        PREPARATION**

- A.      Surface Preparation: Surfaces to receive Stainless Steel Inside Corner shall be cleaned to remove all dust, debris, and other contaminants that would interfere with adhesive bond.
- B.      Place Stainless Steel Inside Corner in locations/rooms where units will be installed and acclimate to building conditions as specified herein in Project/Site Conditions article for a minimum period of 24 hours prior to installation.

### **3.03        INSTALLATION**

- A.      As per manufacturer's instructions

### **3.04        DAMAGE AND REPAIR**

- A.      Upon completion of the installation, visually check exposed surfaces of the work of this Section, and touch up scratches and damaged surfaces by field polishing so they are completely invisible to the unaided eye from a distance of five feet.

### **3.05        CLEANING**

- A.      Upon completion of installation of Stainless Steel Inside Corner, promptly clean exposed surfaces in accordance with recommendations of the inside corner manufacturer to remove all traces of dust, dirt, adhesive, and other foreign materials.
- B.      During the course of the Work and on completion, remove and dispose of excess materials, equipment and debris away from premises. Leave Work in clean condition.

END OF SECTION