

# **MCCRANN CYRUS MFG**

Quality Products and Services since 1977

## **CYRUS 4000 MATTING MASTER SPECIFICATION SECTION 124813 - ENTRANCE FLOOR MATS & FRAMES**

### **PART 1 - GENERAL**

#### **1.01 SUMMARY**

- A. Section includes: Entrance floor mats & frames, including fibered roll entrance matting systems
- B. Related requirements:
  - 1. Drawings and General Provisions of the Contract (including General and Supplementary Conditions and Division 1 References Section)
  - 2. Section 03: Concrete (subfloors)
  - 3. Section 06: Wood (subfloors)
  - 4. Section 07: Thermal and moisture protection

#### **1.02 REFERENCES**

- A.
  - 1. Canadian General Standards Board: standards for flammability (Pill test)
  - 2. Department of Commerce (DOC) FF 1-70: Pill Test
  - 3. LEED-NC v. 3

#### **1.03 ADMINISTRATIVE REQUIREMENTS**

- A. Coordination: Install entrance matting after finishing operations, including painting and ceiling operations, have been completed.
- B. Pre-installation Meetings: Meet to confirm project requirements, substrate conditions, manufacturer's installation instructions and warranty requirements in compliance with Division 1 requirements.

#### **1.04 SUBMITTALS**

- A. General: Submit listed submittals in accordance with the Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Product data: Submit product data, including Manufacturer's specification sheet and installation instructions for specified products.
- C. Shop drawings: Submit shop drawings showing layout, profiles and product components.

- D. Submit selection and verification samples showing the required finishes, colors, designs, and textures for flooring, as well as applicable accessories such as nosing, frames, etc.
- E. Sustainable Design Submittals: For projects requiring LEED submittal based on LEED-NC version 3
  1. Submit documentation substantiating that the project is located within 500 miles of the manufacturing facility and therefore contributes to Materials & Resources Credit 5.
  2. Submit documentation substantiating that the project has permanently installed Cyrus 4000 that is at least ten feet in length and therefore contributes to Indoor Environmental Quality Credit 5.
  3. Submit documentation substantiating that Cyrus 4000 is Green Label Plus certified and therefore contributes to Indoor Environmental Quality Credit 4.3.
- F. Quality Assurance Submittals:
  1. Certified test reports showing compliance with specified performance characteristics and physical properties.
  2. Manufacturer's Installation Instructions.
- G. Closeout Submittals:
  1. Cleaning & Maintenance Data (Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance)
  2. Warranty.

### **1.05 QUALITY ASSURANCE**

- A. Installer: Installer should be highly experienced in performing work of this section, having previously done work similar to that required for this project.

### **1.06 SEQUENCING/SCHEDULING**

- A. Ordering: Comply with Manufacturer's ordering instructions and lead-time requirements to avoid construction delays.
- B. Delivery: Deliver materials in Manufacturer's original, unopened, undamaged packaging.
- C. Storage: Store material--including any adhesive and accessories --in the original packaging (as delivered) in areas that are enclosed and weather tight with the permanent HVAC system set at a temperature of between 18°C and 26°C for a minimum of 48 hours prior to commencement of installation. In addition, comply with storage and handling requirements listed on product packaging, and described in the latest edition of the product's installation instructions
- D. Installation: Except as otherwise indicated herein, sequencing or scheduling for performance of work of this section in relation with other work is Contractor's option. Delay installation of mats until near time of substantial completion for the project.

### **1.07 PROJECT CONDITIONS**

- A. Temperature: Maintain temperature where products will be installed before, during and after installation as recommended by Manufacturer.

## **PART 2 - PRODUCTS**

### **2.01 ACCEPTABLE MANUFACTURER**

- A. McCrann Cyrus Mfg. 1290 Boundary Road, British Columbia Canada V5K 3T6 T: 604-298-2522  
F: 604-298-4217, email:info@mccranns.com, www.mccranncyrus.com

## 2.02 MATERIALS

- A. Product: Cyrus 4000  
Construction: 100% Asota® solution-dyed UV stabilized polypropylene fibers  
Width: 1m (3'3"), 2m (6'7"), 4m (13'2")  
Length: approximately 23m (75'6")  
Thickness: 11mm (7/16")  
Face Weight: 1790g/m2 (53 ounces/square yard)  
Standard Colors: Natural, desert, chocolate, walnut, beige, taupe, charcoal, dark grey, black gold, red, burgundy, blue, dark blue, imperial blue, green, harvest, loden, rosewood, arizona, rainbow  
Logo Colors: Sand, black, white, crimson, cherry red, orange, pink, yellow, gold, royal blue, sky blue, turquoise, kelly green, purple

- B. Performance: Physical properties of the entrance matting shall conform to the following minimums:

### Safety

Surface flammability Passes C.G.S.B. Standards for Flammability (Pill Test)  
Flammability Standard DOC-FF-1-70 (Pill Test)

### LEED

MR Credit 5 Material must be manufactured within 500 of project location  
IEQ Credit 5 Cyrus 4000 is designed for semi-permanent installation  
IEQ Credit 4.3 Cyrus 4000 is Green Label Plus certified.

## 2.03 PRODUCT SUBSTITUTIONS

- A. Substitutions: No substitutions permitted.

## PART 3 - EXECUTION

### 3.01 SUBSTRATE PREPARATION

- A. Examine substrates and conditions where floor mats will be installed. Do not proceed with installation until unsatisfactory conditions are corrected. Subfloor shall be clean and dry, and within acceptable tolerances.

### 3.02 INSTALLATION

- A. General: Strictly comply with Manufacturer's installation instructions and recommendations. Coordinate installation with adjacent work to ensure proper clearances and to prevent tripping hazards.
- B. Sizes: Where not indicated otherwise, provide single unit for each mat installation, but do not exceed manufacturer's maximum size recommendation for units intended for removal and cleaning. Where possible, verify sizes by field measurement before shop fabrication.

### 3.03 CLEANING AND PROTECTION

- A. General Cleaning: Refer to Manufacturer's Cleaning and Maintenance Instructions.
- B. Owner's Personnel: Instruct Owner's personnel in proper maintenance procedures.
- C. Protection: Protect installed product and finish surfaces from damage during construction and until acceptance.