

## **SECTION 09 74 39 SYNTHETIC WOVEN MATS**

### **PART ONE – GENERAL**

#### **1.01 SUMMARY**

- A. Section includes synthetic woven mat [wall] [and] [ceiling] covering.

#### **1.02 SYSTEM DESCRIPTION**

- A. Provide Virosurface© woven mat high performance indoor/outdoor applied [wall] [and] [ceiling] coverings.

#### **1.03 SUBMITTALS**

- A. Product Data: Submit catalog cuts, including data on physical characteristics, durability, fade resistance, and fire-test-response characteristics, and other characteristics of the synthetic woven mat material.
- B. Shop Drawings: Submit drawings, showing location and extent of each woven mat type. Indicate seams and termination points.
- C. Samples for Initial Selection: Submit [one][2] set[s] of manufacturer’s full range of colors for each weave selected.
- D. Samples for Verification: Submit [2][3] each 8 by 8 inch panels of weave and color selected.
- E. Manufacturer’s Instructions: Preprinted material describing installation of woven mat covering, including special notices and (MSDS) concerning impedances, hazards and safety precautions.
- F. Closeout Submittals: Documentation to record compliance with technical or administrative requirements.

#### **1.04 QUALITY ASSURANCE**

- A. Installer Qualifications: A qualified Installer, approved in writing by the woven mat product provider.

#### **1.05 DELIVERY, STORAGE, AND HANDLING**

- A. Packing, shipping, Handling, and Unloading: Deliver materials in the manufacturer's unopened boxes and containers bearing the manufacturer's brand name.
- B. Storage and Protection: Keep materials dry, completely covered, and protected from the weather. Store according to manufacturer's written instructions.

#### **1.06 WARRANTY**

- A. Manufacturer’s Limited Warranty: Manufacturer agrees to repair or replace synthetic woven mats that fail within [20 years from date of Substantial Completion for indoor mat applications] [3 years from date of Substantial Completion for outdoor mat applications].

## 1.07 MAINTENANCE

- A. Extra Materials: Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents. Provide [one uncut mat 4 by 25 feet][2 each 4 by 8 foot panels] extra materials of each weave and color installed.

## PART 2 PRODUCTS

### 2.01 MATERIALS

- A. Synthetic Woven Mat: Decorative surface mats woven with high-density polyethylene synthetic strip material , UV stabilized, non-toxic, water resistant [Class A fire retardant,] [chlorine resistant treated,] impervious to rot, decay, aging, or shedding. Mat fibers shall be sully water-resistant and insensitive to sun, chlorine, and harsh weathering. Mats shall be fabricated from 100 percent recyclable material.
  - 1. Size: [4 by 8 feet panels][4 by 25 foot mats].
  - 2. Weave Style: [Basket weave][Herringbone weave][Bandeau weave].
  - 3. Color: [\_\_\_\_\_][As selected from Manufacturers full line available.]
  - 4. Fire Retardant Treatment: Manufacturers system of non-brominated, non-halogenated treatment required to achieve ASTM E108 Class A rating and be toxin free.
  - 5. Materials utilized in mat material formulation shall not contain heavy metal pigments.
- B. Source Product: Virosurface© Mat products provided by **amaZulu Inc.**, 1239 Commons Court, Clermont, FL 34711.
  - 1. Telephone: 352.243.5309.
  - 2. Fax: 352.243.5361.
  - 3. Website: [www.amazuluinc.com](http://www.amazuluinc.com).

### 2.02 ACCESSORIES

- A. Fasteners: Provide corrosion resistant ring-shank nails, staples, screws, or pneumatic brad nails of the type and size recommended by the manufacturer to meet the application requirements.
- B. Adhesive: Mildew-resistant, low VOC, nonstaining adhesive, for use with specific mat covering and substrate application indicated and as recommended in writing by wall-covering manufacturer.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Site Verification of Conditions: Examine substrates and conditions, with Installer present, for compliance with requirements for levelness, wall plumbness, maximum moisture content, and other conditions affecting performance of the Work..

### 3.03 WOVEN MAT INSTALLATION

- A. Comply with mat covering manufacturers' written installation instructions applicable to products and applications indicated. Cut and trim mats and panels to sizes and shapes to be applied.
- B. Fasten mat coverings to substrate with [brad nails, ring nails, or staples] [and][or] [full surface spread adhesive]. When using nails or staples, slide the top layer of the fiber over and staple the fiber underneath to the substrate, then slide top fiber over to hide the attachment.
- C. At wall vertical applications, Install seams vertical and plumb at least 6 inches (150 mm) from outside corners and 6 inches (150 mm) from inside corners unless a change of pattern or color exists at corner. [Horizontal seams are not permitted.]
- D. [At wall horizontal wainscot applications, stretch mat material tight and secure top edge as required to prevent sagging.]
- E. At ceiling applications, install seams parallel with adjacent structure or walls, in pattern and layout acceptable to Architect.

END OF SECTION