

1 General

1.1 **RELATED SECTIONS**

- .1 Section 01 33 00 - Submittal Procedures.

1.2 **SUBMITTALS**

- .1 Submit submittals in accordance with Section 01 33 00.
- .2 Product data: Submit duplicate copies of manufacturer's Product data and storage and installation requirements in accordance with Section 01 33 00.
- .3 Samples: Submit samples in accordance with Section 01 33 00 of the following:
 - .1 Two 300 x 300 mm sample of vinyl graphic demonstrating material and colour.
 - .2 Identify each sample with Contract number and title, colour reference, date, and name of applicator.
- .4 LEED submittals: Submit applicable supporting documentation in accordance with Section 01 33 00.01 for approval of the Departmental Representative.

1.3 **QUALITY ASSURANCE**

- .1 Installers qualifications: Perform Work of this Section by a graphics installer that has a minimum of 5 years experience in work of comparable complexity and scope and is approved by the vinyl manufacturer.

1.4 **SITE CONDITIONS**

- .1 Apply vinyl under the following conditions:
 - .1 Temperature: 18 deg.C minimum.
 - .2 Relative humidity: 85% maximum.
- .2 Maintain temperature conditions indicated above for 24 hours before, during and 24 hours after installation.

2 Products

2.1 **MATERIALS**

- .1 General: All materials under Work of this Section, including but not limited to, adhesives and sealers, are to have low VOC content limits in accordance with Section 01 35 21.01.
- .2 Vinyl sheet: Minimum 2 mil thick, non-reflective, pressure sensitive, cast vinyl graphic film complete with a transparent synthetic liner. Colour: As selected by the Departmental Representative. Provide samples for the approval of the Departmental Representative. Adhesive and sealers to be as recommended by the manufacturer.

3 Execution

3.1 **PREPARATION**

- .1 Prepare surfaces to receive vinyl graphics in accordance with manufacturer's written instructions.
- .2 Ensure that painting work is completed and cured a minimum of 5 days prior to installation of vinyl graphics. The 5 day cure period may be shortened if tests indicate that outgassing of paint system has stopped. The following procedure must be followed when perform outgassing tests:
 - .1 Properly clean test surface and apply a 50 mm x 50 mm piece of film identical to that used to fabricate graphics.
 - .2 Check test sample 24 hours later for outgassing. If none is evident, the application can be made.
 - .3 If outgassing occurred, evidenced by bubbling of film, apply another test piece and again observe 24 hours later.
 - .4 Continue to apply test pieces and evaluate after 24 hours until outgassing ceases.

3.2 **INSTALLATION**

- .1 Electronically cut as required and apply vinyl graphics in accordance with manufacturer's written instructions and Contract Documents.
- .2 Apply vinyl graphics to intended substrates in correct location, level, square, at proper elevations in locations shown. Apply vinyl graphics in blocks.
- .3 Ensure vinyl is applied free of wrinkles, twists, and any other imperfections to the satisfaction of the Departmental Representative.
- .4 Remove registry marks and mark-up lines used to align graphics without marring or damaging the graphics or paint coating.
- .5 Seal edges of vinyl at painted concrete and masonry surfaces with specified edge sealer in accordance with the manufacturer's written instructions.

END OF SECTION