



## Product Specifications: Graphic Wraps for RFID SmartGates

CS RFID SmartGates are shipped with plain light grey surfaces. The gates were intended to be used with custom graphics but care must be taken to preserve the RFID performance of the gates. The following information provides guidance in creating graphics that will not negatively affect the operation of the equipment.

### Materials

The gates use an ultra high frequency (UHF) radio frequency to detect and read RF tags, therefore anything placed over them must be transparent to this frequency. Avoid any vinyl material thicker than 0.005 inches. Laminated sheets of 0.005" Mylar with a 0.005" polyester overlay are a good option with good weather/wear resistance. For a more cost effective choice, use a single layer of 0.005" Mylar or text stock with a 5 mil single sided laminant.

### Printing

Do not use any printing process that includes any type of metal bearing light stop. Some printers also include aluminum/metals to give a brighter look that provides an opaque feature. These types of printing must not be used.

### Mounting Methods

There are 3 ways to attach the graphic to the gate:

- 1) Foam core graphic adhered directly to the front of the gate using double sided tape. Be sure to use tape that is removable without damaging the gate.
- 2) Flexible graphic that extends around the front of the gate and is taped to the back. Be sure to use tape that is removable without damaging the gate.
- 3) Flexible graphic that extends around the whole gate and is joined at an overlapping seam.

### Graphic Size

The gates have front face that is 55" 7/8 (55.875") high by 31" wide (15.5" each face). The front face is curved in the center so plan to center logos on each 15.5" face. If you plan to make wrap around graphics, follow the below guidelines to be sure to cover the thickness of the panel sides (1 5/8" each). The contiguous portion of the back face is 23" 3/4 (23.75").

**Single panel front:** 55 7/8" high by 15.5" wide

**Full panel front:** 55 7/8" high by 31" wide

**Full panel wrap:** 55 7/8" high by 33 1/4" (2.25" wrap around)

**Full gate jacket wrap:** 55 7/8" high by 57 13/16" (57.8") (WITHOUT 2.5" overlap) **Recommended**

The wrap around circumference is the visible portion only. An overlap is usually required to secure the jacket wrap. Something between 1.5 and 3 inches usually works best. It is recommended to position the seam off-centre, usually to the extreme left or right (along the edges) to help hide any alignment issues.



### Preferred Printer

Source One Digital

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