



convention strategy

Product Specifications: Creating Skins for RFID SmartGates

CS RFID SmartGates are shipped with plain white surfaces. In most cases, this is adequate but some clients may wish to print their own graphics. 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 gates.

Materials

The most important thing to consider is that the gates use high frequency radio frequencies to detect and read tags, therefore anything placed over them must be transparent to these frequencies. 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 single sided printed foam core.

Printing

Do not use any printing process that includes metal bearing light stop. Many printers include aluminum or other metals to give a brighter look that is opaque. These types of printing must not be used.

Mounting Methods

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

- 1) flat panels 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 panels that extend all around the gate and are taped to the back of the gate. Be sure to use tape that is removable without damaging the gate.
- 3) flexible panels that extend all around the gate and are taped at a joined seam (2.5" overlap).

Panel Size

The gates have 2 front sides that are 56" high by 14" wide. Graphics can cover some or all of this area. If you plan to make wrap around graphics, following the below guidelines to be sure to cover the thickness of the panels (1.75" each).

Single panel front mounted: 56" high by 14" wide

Full panel front mounted: 56" high by 28" wide

Full gate wrap around edges mounted: 56" high by 34" (allows for 1.25" wrap around)

Full gate jacket wrap around connected : 56" high by 55" (allows for 2.5" overlap at back)

