

Digital Media Fab Lab – Vinyl Life Cycle Assessment

Current Life Cycle Stream of Vinyl Oracal Orafoil 631 & 651 Vinyl Material

Vinyl is purchased through www.uscutter.com

Commonly purchased vinyl:

ORACAL 631 24" x 10 Yard Removable Adhesive Indoor/ Outdoor Vinyl

ORACAL 651 Sign Vinyl (Outdoor)

Vinyl material is shipped directly to the Art Office in the Fine Arts Building

Vinyl material is moved up to FAB422

Vinyl material is inventoried on the OneDrive Document: [Digital Media Fab Lab - Inventory](#)

Vinyl material is stored and available for Art Department students and faculty to utilize for class projects

Vinyl material is loaded onto the machine and processed

Vinyl material processed, is cut off the roll

Vinyl material is weeded

Life cycle stream 01

Vinyl material weeded off the paper backing gets collected and placed into a plastic bag, inside of a trash can, in the Digital Media Fab Lab

The plastic bag is removed from the trash can, then placed in the hallway trash can

The plastic bag in the trash can is removed and placed in a dumpster

The dumpster is emptied and taken to Leon County Transfer Station

At the Leon County Transfer Station trash is sorted and vinyl is sent to the landfill

Life cycle stream 02

Remaining vinyl material receives an application tape covering

Vinyl material then moves to the desired location

Vinyl material is installed on a surface

Vinyl lives

Vinyl is then removed

Vinyl is then placed in a plastic bag and is removed from the trash can

Disposed of however the site is equipped to dispose of it

OR

Vinyl material is returned to the Digital Media Fab Lab, collected and placed into a plastic bag, inside of a trash can

The plastic bag is removed from the trash can inside of the Digital Media Fab Lab, and then placed in the hallway trash can

The plastic bag in the trash can is removed and placed in a dumpster

The dumpster is emptied and taken to the Leon County Transfer Station

At the Leon County Transfer Station trash is sorted and vinyl is sent to the landfill

Ideal Life Cycle Stream of Oracal Orafoil 631 Vinyl Material

Vinyl is purchased through www.uscutter.com

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ORACAL 651 Sign Vinyl (Outdoor)

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Vinyl material is moved up to FAB422

Vinyl material is inventoried on the OneDrive Document: [Digital Media Fab Lab - Inventory](#)

Vinyl material is stored and available for Art Department students and faculty to utilize for class projects

Vinyl material is loaded onto the machine and processed
Vinyl material processed, is cut off the roll
Vinyl material is weeded
Any Vinyl material waste from the process is recycled

Premier Group Recycling Inc.
21000 Boca Rio Road
Boca Raton, FL 33433
(561)-488-7773

Tradepro Inc.
10800 Biscayne Boulevard
Miami, FL 33161
(305)-892-2800

Vinyl paper-backing is coated with silicone
Vinyl paper-backing is removed from vinyl during installation
Vinyl paper-backing is contained

Life Cycle Stream 01

Vinyl paper-backing is contained in the trash for disposal in the landfill

Life Cycle Stream 02

Vinyl paper-backing is incinerated

Life Cycle Stream 03

Vinyl paper-backing is recycled/upcycled through a process of remanufacturing
[Remanufacturing Instructions for Silicone](#)