DESIGNLAB at Rensselaer

Spring 2016 Team: Brian Becker (ME), Elizabeth Brundage (MSE), Jonah Duch (IME), Valerie Lumsden (IME), Scott McWatters (ME), Corinne Skala (IME), William West (ME)



Vanilla Magnet

- Sponsor Mentor: James Kralick; Project Engineer: Aren Paster (CORE); Chief Engineer: Shayla Sawyer (ECSE)

- properties.





Healthcare

Semester Objectives/Requirements

Summarize and identify all location requirements and joint strength requirements of joining methods for selected interface • Research and survey joining methods and

create a list of properties

> Examples of properties include:

- Odor
- Humidity Resistance
- User Safety
- Ease of Application
- Cure Temperature

• Down-select through use of Pugh matrix • Make test specimens that simulate interface geometries (see below)

• Physically test 4 joining methods for critical

 Analyze results and determine best joining method for each interface.