Carbon Fiber Manufacturing

# Important terminology:

Release Agent:

Resin:

Hardener:

# Steps:

1. Apply Release agent evenly and thoroughly on the mold and leave it to dry.
2. Mix 2:1 Resin and Hardener to form the mix.
3. Apply a single coat of the resin mix to the mold and leave it to dry for 2 hours or until sticky but stuck to the mold
4. Remove a strand of the fiber sheet and then cut it. No loose strands of carbon should exist.
5. Put the sheet down work from the middle outwards.
6. Put a coat on the sheet inside the mold. Don’t drag the brush or distortion will appear.
7. Apply heat gun and pressure from squeegee to remove any air- bubble.
8. Repeat the steps for more layers excluding point 7.
9. Leave it overnight.

# Properties:

1. RF/EMW shielding for electronic equipment. (electrical conductivity)
2. Good vibration damping