

The Chemistry of Coatings: Beam Testing Set-Up

Set-Up Supplies

1. Weights (25g-100g)
2. 2 ring stands with clamps
3. Epoxy Resin beams
4. Metric Ruler

Set-Up Procedure

1. Move together two ring stands with clamps, leaving approximately 10 cm between them.
 - a. Make sure to mark the table with tape so these are in the same location every time.
2. Place the cured epoxy beam is the same length inside the clamp and secure.
3. Immediately once the beams are in place start the timer and place the weight on top of the beam. (Figure 1)
4. After three minutes, measure the height from the table to the top of the middle of the beam. (Figure 2)
5. Repeat with all cured beams.
6. If the epoxy beams did not cure then the beam automatically fails.

