



## 2008 ASCE Deep South Regional Conference Concrete Frisbee Event Rules



**Description:** Participants will design and construct a Frisbee out of concrete that is practical, light, and durable. One designated thrower from each team will throw the Frisbee in a distance and accuracy event. The Frisbee will be judged based on aesthetics, weight, durability, and the outcome of each event.

### Participants:

- Each team should have 2-4 participants. Different members may compete in the two events, but only one member for each event.
- All participants on this event must be registered for the Deep South Regional Conference.

### Frisbee Materials & Guidelines:

- The primary composition of the concrete Frisbee must be Portland Cement by strength
- All reinforcement must be non-metallic mesh
- The Frisbee must fit inside a box of 12in x 12in x 2in, use your imagination—but remember the goal is the lightest, most sturdy shape!
- The Frisbee may not be any smaller than a box of 8in x 8in x 2in—remember again you will be competing for distance and accuracy!
- Must be solid; may not contain any holes.
- No more than 15% of the surface area of the Frisbee may be covered by anything other than concrete. This includes, but not limited to, external reinforcement, paint, or stains.
- Any external reinforcement must not create a shell around the Frisbee.

### Scoring:

#### Aesthetics (10%):

Will be based on uniformity, surface texture, and finish prior to competition as awarded at the discretion of guest judges.

#### Weight (25%):

Each Frisbee will be weighed prior to competition and be compared to the lightest Frisbee by the following equation. The lightest Frisbee will receive the highest points.

Points for Weight = [(Weight of Lightest Frisbee) / (Weight of Your Frisbee)]\*25

#### Distance Event (20%):

Boundaries will be marked and shown prior to the beginning of the event. Each team will have two opportunities to throw the Frisbee, by the same or different people. The better of the two throws will be counted. Measurement will be taken from the base line to where it first makes contact with the ground. If the Frisbee lands outside the boundaries or if the thrower's hand

crosses the baseline, the throw will be disqualified. The furthest throw will receive the total points.

Points for Distance =  $[(\text{Your Throw}) / (\text{Longest Throw})] * 20$

Accuracy Event (20%):

A fixed target will be placed 50 feet away from the baseline. Each team has two chances of throwing the Frisbee, by the same or different people. The better of the two throws will be counted. Measurements will be taken after the Frisbee comes to rest from the target to the closest edge of the Frisbee. The shortest distance from the target will receive the total points.

Points for Accuracy =  $[(\text{Shortest Distance to Target}) / (\text{Your Distance to Target})] * 20$

Durability (25%):

The weight of the Frisbee will be measured after competition and durability will be calculated. Any Frisbee that has less than 75% of the original weight after the competition will receive a score of 0 for the durability portion. Any Frisbee that has less than 50% of the original weight after competition will earn participation points only!

If  $(\text{Weight after}) / (\text{Weight before}) < .75$  ,Then Durability Points = 0

If  $(\text{Weight after}) / (\text{Weight before}) < .5$  ,Then Participation Points Only

Points for Durability =  $[(\text{Weight after Competitions}) / (\text{Weight before Competition})] * 25$

Overall Scores

o First : 40 points

o Second: 30 points

o Third: 20 points

o Participation: 10 points

Reference:

2006 UCLA Concrete Frisbee Rules