

Panel Layout Competition

Geomembrane type: LLDPE or HDPE

Thickness allowed: 1.0mm, 1.50mm, 2.0mm

Equipment required: Wedge Welder / Extrusion gun / Qc Kit

Event Description

How skillfully and fast can your installation team wedge weld five panels, air-test the seams and repair cross seams with extrusion welding!?

For the 2023 event, IAGI brings GeoGames to a new level by making participation in the competition possible for all its members around the world!

Every installer will be able to participate by filming their live performance and sending it to IAGI before January 13th 2023.

The performances will then be presented at the Kansas GeoSynthetics convention in Kansas City on February 7th 2023.

Rules

- Teams need to hire a local proctor who will monitor the teams' performances. The Proctor will **especially** look out for:
 - Validity of the wedge welds (air tests)
 - Size and positioning of the patches
 - Destruction testing of wedge welds and extrusion welds.
- Teams need to consist of exactly two players.
- One team per inscription, meaning that a company can have several teams competing.
- Prior to the start of **Wedge Welding**, the teams position their panels **exactly** as shown in page 2. They calibrate their machines, leave them on, and position them where they want inside the layout.
- Once ready, the players need to wait outside of the layout, just beside the camera. Proctor counts down 3-2-1 before the team can enter the layout - proctor starts chrono (stopwatch) once the team enters the layout.



IAGI specification section applicable to event

Article 3.05, sub B, 5c

GRI-GM 13 section applicable to event


Table 1(b) – Seam Strength and related Properties of Thermally Bonded Smooth and Textured Linear Low Density Polyethylene (LLDPE) Geomembrane (S.I. Units)

The winner of GeoGames will be the team that completes all the tasks in the shortest amount of cumulative time.

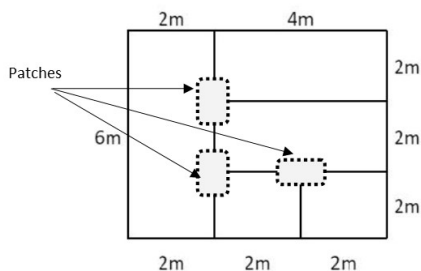
Main Event 2023

- Once **ALL Wedge Welds** have been validated by proper air testing, the team can move on to repairs. **The team can't move on to repairs unless all air tests pass - which will be confirmed by proctor.**
- The team then needs to **repair** and seal their cross seams with **patches and extrusion welds.**
- Once all repairs have been achieved, the team needs to leave the layout, the proctor then **stops the chrono.**
- The proctor oversees the destructive (DT) testing on one wedge weld and one extrusion weld of the proctor's choosing. The proctor will record the values shown on the tensiometer. - **ANY DT FAILURE WILL RESULT IN AUTOMATIC DISQUALIFICATION!!!**
- Other minor penalties will then be added for (but not limited to):
 - Wedge weld burns - Leaks in air tests - Repair dimensions (patch size)
 - Missing / incomplete repairs.
- **The team with the overall lowest time wins!**

Panel Layout & Camera positioning

- o The **main camera** must be placed 10 feet from the bottom right corner, and 7 to 8 feet in the air, as shown in the picture below.
- o The **main camera** must be fixed and film in landscape mode. 
- o The feed of the **main camera** must be continuous, any tampering of the **main feed** will get a team automatically disqualified.
- o We encourage teams to have other feeds, other cameras! These can consist of other people filming with their phones (also in landscape mode). These cameras can move around, zoom in and out, film closeups, etc! We want to see action, we want to see faces!

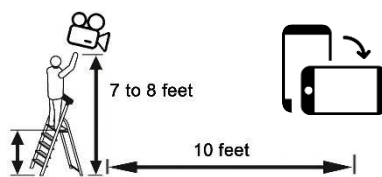
Panel Layout



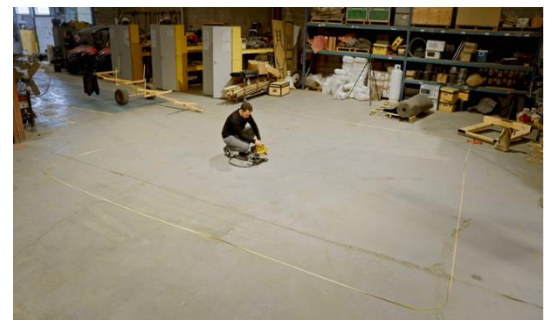
Camera position



Camera position



View example



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