




# Hardesty Arts Center

Vegetated roof built to help withstand harsh weather

 OKLAHOMA

## Project at a Glance:

**Category:** Overburden Solutions

**Completed:** 2013

**Type:** Hospitality & Entertainment

**Size:** 215 squares

## The Challenge:

Located in Tulsa's bustling downtown Arts District, the Hardesty Arts Center hosts innovative cultural programming led by the Arts and Humanities Council of Tulsa. When the facility required a reroof, the City of Tulsa recognized an opportunity to introduce a vegetated roof system to advance its sustainability goals and enhance its outdoor gathering spaces. However, Oklahoma's harsh weather conditions, combined with the building's high foot traffic, presented a challenge. The solution needed to deliver exceptional waterproofing performance and durability for both the vegetated roof and pedestrian-access balconies.

## The Solution:

Siplast provided a customized single-source solution consisting of roofing, waterproofing, and overburden components to meet the project's performance and sustainability needs:

## Siplast Products Used:

- Paradiene® 20/30 System
- Teranap, Torch-Applied

- **High-performance waterproofing for vegetated and pedestrian spaces**

Siplast Teranap SBS-modified bitumen membrane was selected for its exceptional waterproofing performance and ability to provide a durable, watertight barrier for both the vegetated roof and pedestrian access areas.

- **Durable materials to withstand foot traffic**

The balconies were completed with stone pavers supplied by Siplast, while the vegetated roof featured a low-maintenance sedum blend specifically developed to help withstand Oklahoma's harsh weather conditions.

- **Robust roofing for reliable protection**

To complete the roofing system, Siplast's trusted Paradiene 20 TG / 30 FR TG two-ply SBS-modified bitumen system was installed—providing layered, lasting protection for the active arts venue.

The resulting applications reflected Tulsa's commitment to sustainability and protecting its hub of local culture and creativity. With a resilient vegetated roof and pedestrian-friendly design, the Hardesty Arts Center continues to serve as a vibrant landmark for residents and visitors.