Dougherty County Jail

Sustainable roofing with minimal disruption to operations

GEORGIA

Siplast Products Used:

- Paradiene® 20/30 System
- Siplast NVS Lightweight Insulating Concrete

Project at a Glance:

Category: Roofing Solutions
Completed: 2014
Type: Government Building
Size: 1,600 squares

The Challenge:

When it came time to reroof the Dougherty County Jail, the Board of Commissioners faced two primary challenges: complete the project without interrupting facility operations and select a solution that was both cost-effective and environmentally responsible. The building's size and secure nature made traditional tear-off and replacement strategies impractical—calling for a smarter, phased approach that would minimize disruption and waste.

The Solution:

Siplast delivered a streamlined, sustainable roofing system that met the County's performance, budget, and operational needs:

- **Utilizing existing insulation to reduce waste**
  On one half of the building, the existing lightweight insulating concrete was evaluated and left in place—retaining its value as effective insulation while avoiding unnecessary demolition and material waste.
- **Efficient reroofing without tear-off**
  On the other half, Siplast NVS Lightweight Insulating Concrete was installed directly over the old tapered system, eliminating tear-off and landfill impact. This approach saved time, and allowed the project to move forward without compromising security or operations.
- **Durable, two-ply protection for long-term performance**
  The entire facility was finished with Siplast Paradiene 20 HV / Paradeine 30 FR TG two-ply SBS-modified bitumen system—delivering robust, long-term protection for a high-security government building.

This smart, phased solution helped Dougherty County save time and resources while preserving uninterrupted operations of the correctional facility—demonstrating how flexibility and performance can go hand in hand in critical infrastructure environments.