

Kingspan Panels: Prescription for Hospital Design



Location
Okemah, Oklahoma, USA

Wall Products
BENCHMARK DesignWall 2000 Horizontal
BENCHMARK DesignWall 1000 Horizontal

Finishes
Hazelnut
Rose Dust
Copper

Overview

The Muscogee (Creek) Indians are an Indigenous Nation whose roots in Oklahoma date back to the 1800's. The Nation provides a variety of services for its 80,000 members, including government, law enforcement, higher education and health care.

The Nation recently completed its new Muscogee (Creek) Nation Community Hospital in Okemah, Oklahoma, to replace its community hospital that was built in 1948. The 118,000-square foot hospital has a 14-bed emergency department, two operating rooms, 24 outpatient clinic exam rooms, 25 inpatient beds, as well as a variety of specialty services. The Nation faced a common challenge on this project – how to get the design it wanted without exceeding its budget.



Wall Products
BENCHMARK
DesignWall 2000
Horizontal
BENCHMARK
DesignWall 1000
Horizontal



Elegant Design, Naturally

Design Challenge:

Another design challenge on the Muscogee (Creek) National Community Hospital project was the curved front of the building. Using curved insulated metal panels would have made design and construction much easier but would have increased costs by tens of thousands of dollars. The solution? Engineer the building so that flat panels could be “walked” around the sweeping curve of the building.

The Chameleon Effect:

The design of the exterior incorporates an iridescent paint scheme; this portion of the building changes color as people walk or drive by it. It's the first time this iridescent technique was used on a building in Oklahoma, and getting the exact shade was an important - and challenging - endeavor. The chameleon effect was chosen for its calming effect - it makes patients less anxious and gives a better reading on blood pressures and other things.



The Shape of Things to Come

Endless Colors and Finishes:

Kingspan panels can be color-matched with a full spectrum of vibrant colors available. The high-performance coatings are highly resistant to corrosion, UV light, abrasion and impacts and are maintenance-free for up to 30 years. Beyond colors, Kingspan panels are also available in a variety of finishes – available looks include granite, copper, rustic, woodgrain and even camo.

Keeping Costs Low:

Using different panel thicknesses was a way to keep costs down for the hospital. The majority of the panels used on this project are 2"; however, 1" panels were used in sections that cover an insulated interior wall. The thinner panels are more budget-friendly, without sacrificing aesthetics or R-value since they're on an insulated wall.



Setting Down New Roots

Energy efficiency:

The facility utilizes close to 300 geothermal wells, each an estimated 300 feet deep into the ground, that use ground energy to for heating, cooling and hot water throughout the entire facility. Kingspan insulated metal panels help meet the hospital's goal of being as energy efficient as possible, as they provide superior thermal efficiency and will help keep both energy usage and costs down.



Contact

For more information on
the products used in this
project, please email

Info.NA@kingspanpanels.com

