

STONHARD *Solutions*

Medical Center of Central Georgia is a soothing environment for patients and staff

The state-of-the-art Ambulatory Surgery Center in Macon, Georgia has patients and visitors alike spreading the word about the facility's first-class services and comfortable and appealing floor design.



Geometric patterns in soft, muted tones create a relaxing environment.

The new Ambulatory Surgery Center, fully owned and operated by the Medical Center of Central Georgia (MCCG), is the state's largest freestanding ambulatory care facility. It houses eight operating rooms, two procedure rooms, 12 recovery bays and 17 pre-op bays. The center will enable MCCG to provide improved patient care and expanded quality services with some of the region's most experienced physicians and healthcare personnel.

The Problem

During the planning stages of the new surgical center, the staff at MCCG discussed making some significant changes to the facility's design in an effort to change the perception of a cold, sterile medical environment to one that is more inviting and soothing. After meeting with architects and designers, the creative possibilities began to take shape, beginning with the selection of a unique floor system engineered to complement design aspects throughout the facility and provide unsurpassed durability, ergonomic comfort and cleanability.

The existing Medical Center of Central Georgia, a 637-bed facility that serves 750,000 residents within the Central Georgia area, had a history of costly and disruptive maintenance due to flooring failures over the past 15 years. Areas of concern were related specifically to the welded seam vinyl flooring and terrazzo in the existing facility. The on-going repair issues due to disbonding and Betadine staining experienced with the welded seam vinyl, along with the invasive and expensive repairs of terrazzo when required, significantly impacted the overall efficiency of the facility and increased maintenance expenses.

Architects searched for an alternative flooring option that would achieve the goals of facility planners and staff at MCCG, which included:

- Soothing and inviting design elements
- Durability
- Reduced maintenance costs
- Increased ergonomic comfort for physicians, staff and patients
- Resistance to Betadine staining
- Seamless, cast-in-place system to promote a clean and sterile environment

Solution

MCCG and the design team turned to Stonhard. Based on the facility's product requirements, Stonhard recommended Stonblend RTZ – a unique flooring system that met all of the project requirements and exceeded expectations by offering unlimited design capabilities and the ability to prevent permanent Betadine staining. By using Stonkleen SR9, Stonhard's recommended heavy-duty cleaner designed to remove stains and detergent build-up, MCCG is able to maintain OR's effectively. This easy clean-up facilitates a significant reduction in operating room turnover rates and effectively helps improve the critical efficiency required in an urgent care environment. Stonblend RTZ's ergonomic comfort, ease of cleaning and aesthetics delivered a low-maintenance solution that pleased nursing staff, facilities personnel and visitors alike.

RTZ's versatility allowed designers to create detailed geometric patterns and custom colors from room to room to create a

comfortable setting. Its seamless, no wax finish significantly reduces the costs associated with both maintenance and repairs. With a look similar to traditional terrazzo, the durability and exceptional wear properties of seamless polymer systems and the ergonomic and noise reduction advantages of vinyl products, Stonblend RTZ provided the most viable and cost effective solution for MCCG. It combines the best qualities of many traditional floor systems into one extraordinary product.

Installation

The new construction project called for a lightweight concrete floor base. In the past, MCCG experienced problems associated with residual moisture transmission using this type of concrete, which resulted in regular floor repair issues. To address this concern in the new Ambulatory Center, Stonhard's Stonfil OP2, an osmotic pressure resistant grout, was installed prior to the RTZ mortar to effectively prevent disbonding due to osmotic pressure.

Plastic strips were used to create unique floor patterns of circles and large flowing arcs that incorporated six different colors and traversed rooms and hallways throughout the facility. Each room displays its own geometric pattern to correspond with the color of that room's back wall. An integral 6" cove base, created using Stonhard's Stonclad GS/Stonkote GS4 system, was also installed to ensure ease of cleanability and promote superior sanitation. The entire flooring project was completed and ready for use in less than two months.

Results

MCCG is pleased with the results of the installation and enjoys the benefits of a product that eliminates costly downtime for repairs and significantly reduces the maintenance expenses associated with waxing and buffing. The custom designs and colors used in the floor patterns create a bright and soothing atmosphere for patients and medical staff. RTZ's rubber aggregate provides comfort without compromising durability. Its resilient properties make it easier on the feet of medical staff and patients while providing exceptional wear and impact resistance in high traffic areas exposed to continuous heavy medical equipment and cart traffic. In addition, RTZ's unsurpassed resistance to permanent Betadine staining ensures an aesthetically pleasing environment for many years to come.



Integral cove bases promote sanitation by facilitating easy cleaning.

The Stonhard Difference

Stonhard is the unprecedented world leader in manufacturing and installing high performance polymer floor, wall and lining systems. Stonhard's seamless, long-wearing and easy to clean floor systems are engineered to perform in both industrial and commercial environments without sacrificing design and innovative vision. You'll experience unparalleled products, easy maintenance, progressive and customized designs and Stonhard's single source warranty covering both installation and products. Stonhard maintains 300 project engineers and 175 installation teams worldwide who will work with you on design specifications, project management, final walk through and service after the sale.

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