

GREENUMBRELLA®

Project Spotlight



Saddlebrook Elementary School - Joint Use Facility uses its dual program to provide community members with a one-stop resource for learning and wellness with an 11,900-square-foot public library and a 24,000-square-foot community center under the same roof as Saddlebrook Elementary School. Sharing spaces allows all partners to achieve more than what they could afford on their own, and a shared entry commons provides programming space for each entity.

Location

Omaha, NE

Architectural Application

Classrooms, Lobby, Library, Stairs

Project Description

Architect Kevin Schluckebier and BCDM designed an architectural concrete floor with a 4-color pattern throughout the facility. The initial concrete polishing contractor polished and colored the floor, but within months the color and gloss faded. Green Umbrella certified contractor True North Polishing was hired to repair and complete the project performing a complete re-profile, hone, and polish in only five days. Over 10,500 square feet of concrete were restored permanently with the 4-color pattern into the concrete using the Green Umbrella Color Defense system. Vivid, bold colors in the concrete, not on the surface.





System Specified



Product Message

Green Umbrella® Color Defense System™ wins a high-performance architectural concrete floor with products designed to protect color. Created for owners and design professionals who have experienced the failure of colorants that fade. A system for the success of interior nano-dyed polished architectural concrete floors @MatureAge™. Using a Green-Cut Abrasives System™ that includes a surface refinement cutting agent, GreenCut™. Profiled with PowerTrowels or Grinders with production rates that seem unfair compared to the competition — processed using wet abrasives BigStock™, GC-X™, Eraser™, and Polish-Plus™ — to create a superior mechanical surface that provides a physical defense with any specified class of profile or glass chosen. The Color Defense System that covers the field with DryShield™, our highly abrasion resistant flagship densifier that fills the concrete void. Following with Shield & Enhance™, a concrete colorant that prevents oxidation of the dye at the surface by cross-linking to the treatments in the system, far superior to UV inhibitors — additionally adding salt with superior stain protection — then finishing the defense with Interior Microfilm™, a repairable wear-guard that brings clarity to the profile. Color Defense promotes bonding and cross-linking within the concrete without the negative side-effect of ASR or topical de-lamination found with other products. Maintain with GreenClean™, a LifeCycle™ cleaner with densifier built in that keeps the color in and drives contaminants out. This is the team that plays together.



Consultant Comments

This project was challenging due to the floor having been hardened by the previous contractor. The contractor had to remove the previous system and apply Green Umbrella's NanoDye™, which was able to penetrate into the twice-hardened surface. It was particularly challenging, but I love finding solutions to challenging problems.

*Mark Hurshman
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