

Case Study

Autumn Ridge Apartments Multi-Family Construction

Project Name: Autumn Ridge Apartments

Project Location: Raleigh, NC

Contractor: Redi Carpet

Existing Substrate: Ordinary gypsum

Products Used: Schönox VD and APF

Flooring Product: Carpet and Sheet Vinyl

Autumn Ridge Clubhouse and Apartment Homes in Raleigh, NC is nestled in a wooded setting offering residents a peaceful lifestyle and relaxing atmosphere with proximity to a growing metropolitan area.

It is one of the first multi-family buildings in Raleigh to have its existing ordinary gypsum subfloors leveled with Schönox APF, an innovative, fast-setting underlayment.

HPS NORTH AMERICA, INC.

The Schönox Provider



Case Study

Autumn Ridge Apartments Multi-Family Construction

Before



Years of tenant wear have left the subfloors unstable with large amounts of flex that can be felt when traversed.



The subfloors throughout the complex are starting to crack and crumble.



If not addressed, the subfloors will deteriorate over time becoming more unstable.

Case Study

Autumn Ridge Apartments Multi-Family Construction

Preparation



Crews prep the subfloors quickly by vacuuming and removing loose pieces, instead of the traditional grind or demolition processes.



Gauge rakes are used to measure the product depth and help spread the material quickly.



Porcupine rollers are an excellent tool to use in between bucket pours to break the surface tension of the product.

Case Study

Autumn Ridge Apartments Multi-Family Construction

Priming: Schönox VD



Schönox VD, universal acrylic primer, is rolled over the existing ordinary gypsum subfloors to create a seal to protect against moisture from Schönox APF and to bind any residual dust.



After only 10 minutes of drying time, the subfloors are ready to be leveled quickly and efficiently with Schönox APF, synthetic gypsum fiber reinforced leveling compound.

Case Study

Autumn Ridge Apartments Multi-Family Construction

Mixing Product



Each bag of Schönox APF is mixed with a precise amount of water to achieve consistent batches bag after bag. Some installers cut a slit in their water bucket to allow only the required water amount in the bucket.

Case Study

Autumn Ridge Apartments Multi-Family Construction

Schönox APF is Applied



The embedded fibers in APF work together to provide extraordinary reinforcement and tensile strength.



Schönox APF can be installed in significantly less time and at lesser costs than traditional subfloor demolition and replacement efforts. The resulting subfloor using APF is stronger and smoother as well.



Installers are able to quickly mobilize, complete the new subfloor installation, and get out, enabling other trades to be back on the jobsite the very next day.



APF sets quickly and hardens to a compressive strength of 5800 psi exceeding today's new flooring manufacturer psi requirements.

Case Study

Autumn Ridge Apartments Multi-Family Construction

Renovated Subfloor by Schönox



Schönox APF dries smooth without cracking or shrinking.



Flat, level subfloors are crucial in today's flooring market to ensure great looking floor installations.