Florock®

Facility Solutions
Public Safety & Government Buildings

EXCELLENCE IN POLYMER FLOORING

Kaukauna Fire Department
Kaukauna, Wisconsin
The Challenge
Five Alarm Flooring Alert

When Chief Paul Hirte of the Kaukauna Fire Department was planning the new flooring for his fire house, he knew he needed a heavy duty surface capable of withstanding the strenuous use in his engine bays and apparatus room, where hose couplers, tools and other objects can get dropped. He also wanted the floor to look great, be easy to maintain and provide slip-resistance for rushing first responders. And of course, the new system had to meet the available budget and deliver long-term value to taxpayers.

Especially challenging, the Kaukauna Fire Department site was known to have a concrete moisture vapor (MVT) issue – a condition that can end up damaging most commercial floor coverings. Therefore, Chief Hirte was in pursuit of a flooring partner with expertise in MVT. Luckily, he found Protective Coatings Specialists, an approved Florock installer with the extensive experience needed.

The Solution
Expert Floor Rescue 911

After carefully testing the level of moisture in various areas of the Kaukauna facility, Peter Valichka, Vice President of Sales at Protective Coatings Specialists, in collaboration with regional Florock Representative Rick Olejnik, determined that the Florock FloroCrete SLX Urethane Mortar System would provide the right level of MVT protection. The engine bays and apparatus room were carefully prepared using shot blasting and diamond grinding, followed by an 1/8-inch thick application of FloroCrete SLX in Grey, into which graded 100/40 silica sand was broadcast to rejection. Once cured, the crew leveled any high spots and thoroughly vacuumed the surface, then applied two topcoats of FloroWear 7100 High Wear Urethane in Smoke Blue.

The finished floor, at nominal 3/16-inch thickness, demonstrates good impact resistance and compressive strength, plus excellent abrasion resistance and Moisture Vapor Transmission mitigation. Bright and attractive, the surface encourages departmental pride-of-place and company spirit, in addition to providing the right level of slip-resistance.

The Kaukauna Firehouse floor now encompasses the best of all worlds – great aesthetics, safety and performance for years to come!