

CERTIFICATE OF COMPLETION & REPORT

Section 1: Scope

Project Description:

Pipe Sleeve Sealing



Scope of Work:

Prep and Seal leaking pipe sleeves on 2 pipes in P1 parking garage.

Section 2: Results

Narrative & Findings:

Both pipes were prepped extensively to remove old sealant and clean areas of pipe and pipe sleeves so that the new sealant with cure closely to the pipe and sleeve and create a nice hermetic seal. After the prep work the first coat of our EP990 Epoxy Sealant was applied onto the poly fabric that was used in the void to add 10 times the tensile strength and will allow movement to happen without the seal breaking. EP-990 is a slow setting medium solids epoxy developed especially for applications where the potential for cold wall blistering and moisture migration exists in concrete substrates. EP-990 is highly effective against fuel oil, high end solvents, oxidizing chemical combinations and severe caustic and acidic environments. EP-990 adds integrity to old concrete surfaces and adds resistance to cracking from substrate movement. Durable and highly abrasion resistant, EP-990 will withstand some of the harshest industrial environments when used as a curing agent for concrete and in conjunction with Polyurethane Waterproofing Membranes. EP-990 has excellent penetrating adhesion to concrete and other types of masonry. EP-990 was developed to provide a barrier to moisture when coating with highly flexible polyurethane and polyurea coatings to form impermeable barriers to caustic and acidic solutions.

The 2K epoxy was then applied as a top coat to seal the entire surrounds. This Epoxy is fire proof and will meet a Class A Rating of ASTM E-84 (Standard Test Method for Surface Burning Characteristics of Building Materials) and will maintain its flexibility to -22°F.

We decided to add another Urethane sealant called Ultra-Flex for a more polished look and added flexibility. ULTRA-FLEX is a high tensile strength, weather and UV resistant liquid applied membrane that provide outstanding flexibility and adhesion. Its properties deliver outstanding performance and durability in a broad range of industrial coatings applications. ULTRA-FLEX is suitable for wastewater and secondary chemical containment. ULTRA-FLEX is highly resistant to many acids and alkalis and corrosive substances.

- Thank you for your business.

Pictures Before and After the Pipe Coating



Picture of the 1st pipe before, after old sealant removal, with 1st coat of EP-990 Epoxy, then with 2K Epoxy top coat and then finally with Urethane Coating.





Above is the 2nd pipe sleeve with the poly fabric and EP-990 applied, then the 2K Epoxy Sealant, then on the end it the Urethane Coating we added.