



Case Study: Papé Machinery

Papé Machinery is one of the west's largest construction and forestry equipment suppliers and has been around for almost seventy years. One of their dealers and service centers in Tacoma, WA was having problems with the concrete floors in their service bays. The floors were being badly damaged from the heavy equipment moving in and out, including large machinery having steel tracks and chains that provide traction in the mud and snow. These steel treads and chains in addition to the heavy weight of the vehicles were severely gouging and damaging the concrete. The Service Manager of Papé, contacted Marty Hogan of Dunkin and Bush, a Milamar Coatings Certified Contractor, to see if they could come up with a solution to the problem.

Dunkin & Bush had installed Milamar Coating's systems in demanding environments in the past with great success. They knew ICO Guard 51 was a tough and resilient material and thought Milamar Coatings could help customize it with steel filler so that could withstand the conditions at Papé Machinery. Marty and Milamar representative Tim Rayburn used the Iron Guard at a ¼" thickness in the areas where the heavy steel tracks would contact the floor. The combined a steel filler with the usual ICO Fill hand trowelled sand to make the system even more abrasion resistant

A test patch of Iron Guard was put down at ¼" in one of the service bays. It was heavily abused for two-months and held up great with no problems. Papé was impressed enough with the systems toughness and durability and decided to have it installed in the rest of the facility.

Dunkin & Busch the ¼" topping in three separate four day periods so some of the bays could remain operational while they were doing the installation. They first thoroughly washed the concrete with a citrus-based cleaner to remove any oil and fluids from the concrete. They then blast-tracked the concrete to obtain a clean, sound, abraded surface for the epoxy to bond with. They also routed out any cracks and pre-filled some of the deeper holes and more severely spalled area.

To date Papé Machinery has been extremely impressed with the performance of the floor and its ability to withstand the abrasion and impact from the heavy machinery.

