

Concrete Compared to PT250/High Traffic System

COMPARISONS	CONCRETE	PT 250 RESURFACING SYSTEM	Advantage
Aesthetics / Appearance	Dark brown in color, joints, cracks, and stains are visible.	Solid color brightens area, reflects light, hides joints & cracks, resists staining. System is aliphatic (non-yellowing) and will stay more consistent over time.	PT-250
Chemical Resistance	Porous surface holds stains, will break down from exposure to solvents, oils, and acids	Stains will not penetrate surface and are easily cleanable. Resistant to a wide variety of oils, solvents and acids (see chemical resistant chart)	PT-250
Dusting	Concrete dusts and breaks down from everyday traffic, dust migrates on to raw materials, work in process, and finished products	System will encapsulate concrete cap and prevent any dusting and deterioration of concrete matrix, protecting goods & equipment from concrete dust.	PT-250
Lighting	Natural color of concrete is inconsistent, very dark and absorbs light. Color turns darker as concrete ages and accepts stains over time.	Reflects light, resulting in a brighter workplace. Can increase light levels (save light energy), and improve efficiency & safety due to increased visibility.	PT-250
Strength	Concrete is considered standard by the ASTM with a compressive strength of 3500 psi for 8-9 inches of concrete	Compressive strength > 10,000 psi at 3/16" thick. 3x stronger than 8" of concrete. Bond strength to concrete greater than internal fracture strength of concrete.	PT-250
Installation Time	5,000 square feet will take 3 weeks to remove and re-install, will require 28 days cure time for heavy traffic. Total projected downtime: 49 days.	10,000 square feet can be installed in 4 days, including preparation, installation, and cure time. Total projected downtime: 5-days.	PT-250
Time Required	5,000 feet requires 3 weeks 70,000 feet could require up to 6 months to complete	10,000 feet requires 4 days 70,000 feet could be completed in 1 month	PT-250
Staging Area Required	5,000 feet required for trucks, demolition equipment, dumpsters, debris, and waste	500 sq. ft. required for staging material and all equipment to install.	PT-250
Construction Dust	Dust from concrete demolition and replacement is extremely high. Dust will permeate all areas of the plant, office, and production. Workers in the facility may require respiratory protection from dust and silicosis.	Dust is minimal, as the preparation process is minimally invasive, and most of the equipment used (shot blaster, grinders) is attached to vacuum units.	PT-250
Fumes	Concrete trucks, debris removal trucks, and demolition equipment will all create diesel fumes that will harm employees.	Most equipment is electric, and will not generate fumes that can harm employees. Epoxy resurfacing system is safe to be used in areas adjacent to employees.	PT-250
Noise and Vibration	Constant pounding to remove old concrete and noisy diesel engines may cause disruption in plant and hazard to employees	Noise is minimal, should not disrupt any plant operations	PT-250
Cure Time For Traffic	Concrete needs 28 to fully cure. Traffic & trucks required to continue project will damage recently placed concrete areas	Can be opened to full traffic in 24 hours .	PT-250
Long term maintenance	Concrete is porous, even if sealed, the sealer will wear off in high traffic area's in months. Once worn off, Concrete begins to pit and spall, requiring it to be replaced or repaired.	PT-250 is 3-4 time stronger than concrete, is not porous, will not wear out in a few months in high traffic area's. PT-250 is then Protected with HIGH TRAFFIC SYSTEM, which is 80 TIMES more abrasion resistant than concrete with a sealer (Taber abrasion chart).When High traffic system begins to show wear, you recoat it for pennies on the \$ compared to replacing concrete Abrade and recoats can be done in ONE DAY.	PT-250
Basic Reason to Resurface vs. Concrete	Concrete is the wear surface and takes all the abuse and is extremely expensive, time consuming and intrusive your business operations to maintain and replace. If concrete is the correct solution, why is it now in need of being totally replaced?	PT-250 and High Traffic System are the the wear surface and take all the abuse. Your concrete never is abused and never needs to be replaced.High Traffic system takes the abuse and can be Recoated for pennies on the \$\$ with minimum Interruption of your business operations. CONCRETE NEVER TAKES THE ABUSE.	PT-250