



KELMAR® PC

Epoxy Wear Course

Description

KELMAR® PC is a rubberized epoxy floor coating which is extremely durable, with strong adhesion to concrete. KELMAR® PC consists of KELMAR® PC and #151 Aggregate (crumb rubber) mixed prior to application.

Typical Uses

- Joint treatment in precast parking structures

Features

- Full waterproofing
- Very low odor
- Low VOC

Limitations

- Concrete substrate must be clean, sound, dry and free from all contaminants detrimental to bond
- Moisture in grout MUST be less than 4%
- Concrete structure slab and air temperatures MUST be at least 10°C (50°F) during installation and initial cure
- Surface must be checked for soundness and any hollow areas must be removed. All depressions, spalled areas, and cracks must be pre-filled with a product approved by R&D.
- Concrete substrate must have laitance removed via shot blast, mechanical sanding or etching

Application

- Mix ratio - 2 parts resin: 1 part hardener: 2 parts #151 Aggregate
- Ensure grout level allows for a 3mm coating of KELMAR® PC

- Repair any gaps or holes in grout with KELMAR® RC
- Tape off perimeter of slab to prevent application of KELMAR® PC on surface
- Lightly grind containing walls (between slabs) to create a profile for adhesion
- Mix Resin and Hardener for two minutes prior to adding aggregate, then mix another 2 minutes
- Apply by hand trowel in a continuous smooth coating

Theoretical Coverage

- 64 sq. ft. per gallon at 25 wet mils (without aggregate)
- 80 sq. ft. per gallon at 20 wet mils (without aggregate)

Physical Properties

- **Pot Life:** 20-30 Minutes @ 22°C (72°F)
- **Tensile Strength** (ASTM D412) - 1500psi
- **Tensile Elongation** – no aggregate (ASTM D412) - 300%
- **Peel Adhesion** (ASTM D4541) - 15pli
- **Cure time:** 6-8 hrs
- **Gel Time:** 33 minutes
- **Water Vapour Transmission (ASTM D-1653):** 0.35 perms

Safety Precautions

Please refer to product Safety Data Sheet