



SYSTEM DATA SHEET KELMAR® PC

Kelmar®
waterproofing systems

Flexible Traffic Deck Joint System

Description

Kelmar® PC is a modified polymer traffic deck waterproofing system specifically engineered for treating Pre-Cast Parking Structure joints. The Kelmar® PC system is a flexible modified polymer blended with aggregates that will remain flexible and give a long service life.

The Kelmar® PC waterproofing system consists of an epoxy primer, Kelmar® NEO V latex based waterproofing membrane, reinforced with a nylon mesh and an abrasion resistant flexible traffic bearing wear course blended with aggregates. A topcoat is applied over the wear course. The Kelmar® PC system is applied 6" wide at the joint and the rest of the deck is coated with Kelmar® FWC deck coating system.

Typical Uses

- Pre-Cast Parking structure joint treatment

Features

- Provides a seamless, flexible wear course over waterproofing membranes
- Remains flexible over a wide range of temperatures
- Provides an impact and skid-resistant surface
- Resistant to most automotive chemicals
- Rapid curing

Limitations

- The Kelmar® PC joint system is not designed to bridge structural issues but can accommodate movement/deflection up to 1/8". Movement greater than 1/8" could result in cracking of the wear course which is not considered to be a warranty item
- Substrate must be sound, clean, dry (ASTM D 4263) and free from all contaminants
- Substrate temperature at the time of application must be between 10°C (50°F) and 32°C (90°F)

Components

PRIMER: KELMAR® MONOBOND
OR
KELMAR® DUALOX

MEMBRANE: KELMAR® NEO V Membrane

WEAR COURSE: KELMAR® UWC Urethane Wear Course

TOP COAT: KELMAR® 1930 UV Resistant Top Coat

AGGREGATE: Flint Silica or GS-20 Silica Sand or Equivalent

Physical Properties

• Tensile Strength (ASTM D412)	2000 psi (13 Mpa)
• Weathering Resistance (ASTM F53-83)	No Visual Effect (Top Coat)
• Tear Resistance (ASTM D1004)	180 pli
• Hardness, Shore A (ASTM D2240)	80-90
• Taber Abrasion (ASTM D4060)	0.009g weight loss (Top Coat) @ Room Temperature CS-17 Wheels; 1000 cycles
• Pot Life	25 Minutes @ 24°C (75°C)

Safety Precautions

Please refer to product Safety Data Sheet