



KELMAR® CWC

Epoxy Wear Course

Description

KELMAR® CWC is a high solids epoxy that is used as a wear course in KELMAR® waterproofing and parking deck protection systems. KELMAR® CWC has no odor, making it suitable for both indoor and outdoor use.

Typical Uses

- As the wear course in KELMAR® Systems
- Parking Garages
- Slab-on-grade areas
- Mechanical Rooms
- Stadiums

Features

- No odor
- Durable
- Flexible
- Available in a variety of colors

Limitations

- Substrate and air temperature must be a minimum of 10°C (50°F) and a maximum of 32°C (90°F) during the entire application cycle
- Substrate should be free of dirt, waxes, grease, oil and other foreign materials
- Concrete floors should have laitance removed via shot blasting, mechanical sanding or grinding
- New concrete surfaces should be cured a minimum 28 days before coating or delamination may occur
- Cracks and surface defects should be prepared prior to priming
- If UV resistance is required, use 1920 or 1910 Topcoat

Theoretical Coverage

- 114 sq. ft. per gallon at 14 wet mils
- 70 sq. ft. per gallon at 23 wet mils
- Coverage will vary depending on aggregate size
- Mix ratio – 2 Parts Resin:1 Part Hardener

Physical Properties

- **Pot Life (200g):** 17.3 Minutes @ 24°C (75°F)
- **Solids:** 99.8%
- **VOC Content:** <5 g/L less water
- **Adhesion to prepared concrete** (ASTM D4541) – 800 PSI
- **Adhesion to Membrane** (ASTM D4541) - 20-30 psi (ASTM D3359) – 5b (100%)
- **Hardness, Shore D** (ASTM D2240) – 71
- **Walk On Time** Approximately 6 hours at 24°C (75°F) Note that cooler temperatures will result in longer cure times and warmer temperatures will result in shorter cure times



Chemical Resistance

Testing in accordance with ASTM D1308 spot test procedure indicates that Kelmar® CWC is unaffected by the following reagents:

Automotive Fluids:	
Grease	Heptane
Motor Oil	Hexane
Transmission Oil	Anti-Freeze
Gasoline	

Alkalis:
Ammonium Hydroxide (conc.)
Potassium Hydroxide 30%
Sodium Hydroxide 30%
Sodium Silicate 20%
Lime Water – Saturated Calcium Hydroxide Sol'n

Solvents:
Acetone
Methyl Ethyl Ketone
Denatured Alcohol
Butyl Alcohol
Butyl Acetate
Carbon Tetrachloride
Trichloroethylene
Cellosolve Solvent
Toluene
Xylene
Mineral Spirits

Organic Acids
Acetic 10%
Citric 20%
Lactic 40%
Gluconic 40%
Tartaric 40%

Inorganic Acids
Chromic 20%
Hydrochloric 30%
Nitric 40%
Hydrofluoric 20%
Phosphoric 50%

Inorganic Salts:
Calcium Chloride, 20%
Ammonium Chloride, 20%
Sodium Chloride, 20%
Sodium Carbonate, 20%
Sodium Phosphate, 20%
Sodium Sulfate, 20%
Magnesium Sulfate, 20%

Safety Precautions

Please refer to product Safety Data Sheet