



COMPONENT DATA SHEET

Kelmar®
waterproofing systems

KELMAR® FWC Fast Set Hardener

Description

KELMAR® FWC Fast Set Hardener is an alternate Part B component for the KELMAR® FWC epoxy, imparting rapid development of physical properties at ambient and low temperatures, while maintaining longer working life.

Typical Uses

- Chemically resistant coatings
- Accelerator for high solids coatings

Features

- Very rapid cure and property development at ambient and low temperatures
- Outstanding chemical resistance to solvents, acids and alcohols
- Good working time/cure speed balance
- Generally cures in 2-7 hours

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

Theoretical Coverage

- 89 sq. ft. per gallon at 18 wet mils
- 70 sq. ft. per gallon at 23 wet mils
- Coverage will vary depending on aggregate size
- Mix ratio – 1 Part Resin : 1 Part Hardener

Physical Properties

Viscosity @77°F (ASTM D445-83)	300 cps
Gel Time @77°F	27 min (150 g mix)
Thin film set time	
@77°F	2.0 hrs
@40°F	8.0 hrs
Compressive Strength (ASTM D695-85)	11,700
Tensile Strength (ASTM D638-86)	9,500
Flexural Strength (ASTM D780-86)	15,700
Hardness, Shore D (ASTM D2240-86)	81

Safety Precautions

Please refer to product Safety Data Sheet

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