



GA-225CE

TDS

GA-225CE is a versatile fast low-temperature curing Novalac epoxy with excellent chemical resistance such as resistance to 98% sulfuric and 37% HCL acids. It provides superior resistance to waterspotting, even under adverse conditions, and is DOT noncorrosive. This material is used in industrial flooring, chemically resistant tank linings, chemical handling equipment, chemical storage vessels and marine environments. It is used on metal, wood, fiberglass, concrete, masonry and other difficult to coat low temperature surfaces requiring a tough chemical resistant coating.

GA-225CE is 2-component mixture which may be applied using roller, brush or low-pressure pot spray. This material is to be used directly on clean dry contaminant-free surfaces and becomes tack free within 1 hour depending on ambient humidity and temperature. Full cure is achieved under normal drying humidity in 7 days at ambient temperature.



Please contact our technical support group for specific substrate application procedures, equipment, safety gear and clean-up kits. Refer to MSDS for material and safety standard procedures.

GA-225CE Physical Properties		
Flex Modulus	ASTM D624	450 kpsi
Tensile Strength	ASTM D412	7610 psi
Elongation	ASTM D412	15%
Heat Deflection Temperature	ASTM D648	145 F
Taber Abrasion CS18	ASTM D4060	80
Mix Ratio	PBV	1A – 5B

Adhesion Results of Typical Substrates per ASTM D4541 Elcometer		
Concrete – Clean	>300 psi	Concrete cohesive failure: Excellent Bonding
Steel – Clean	>1000 psi	Excellent Bonding
Wood – Dry/Dust Free	>250 psi	Wood Failure: Excellent Bonding

Preparation of substrate surface prior to the application of a Bridgeport Chemical, LLC is extremely important to achieve proper system bonding.

Concrete must be fully cured and should be prepared with a sandblasting, diamond grinding or machine sanding depending on the severity of the concrete surface condition. Similar proper preparation must be performed for metals. Primers also require this proper preparation. Always power clean using mild detergent prior to sanding, etc. Call Tech Support Group for assistance with selecting SSS application system. Also read the Application Page on this website. If patching concrete, use mineral filled fast-set Acrylic Modified Epoxy applied by trowel. For expansion joints, use Joist Seal applied by hand cartridge dispensing gun. It is always best to perform a test within a small section of the application area prior to full scale engagement.

TECHNICAL APPLICATION DATA

Application substrates must be clean/dry from contaminants; i.e. free of loose rust, paint, moisture, dirt, oils, etc. This self-prime material is to be applied within 40°F to 100°F. If application surface exhibits extensive corrosion, spalling and/or weak deteriorating substrate normal forms of media or shot blasting is recommended to create a secure surface preparation. For conditions which may only require liquid washing and cleaning with detergents, acids, bio-enzymes, etc. involving processes of scrubbing, rinsing and drying, the finish surface must not retain any residual cleaner unless specified by Bridgeport Chemical, LLC. Concrete must be fully cured and should be prepared with shot blasting, diamond grinding or machine sanding depending on the severity of the concrete surface condition. Similar proper preparation must be performed for metal surfaces. Primers also require this proper preparation. Always power clean using mild detergent prior to sanding, etc. Call TechSupport Group for assistance with selecting Bridgeport Chemical application system. Mix 1A:1B thoroughly with a hand drill jiffy mixer. Apply WBE-2 coating by roller, brush or air-less sprayer. Working time at 75°F is 8 hours. Recommended max wet application film thickness is 6-10 mils. Coverage at 8 mils is 300 sq. ft./ mixed gal.