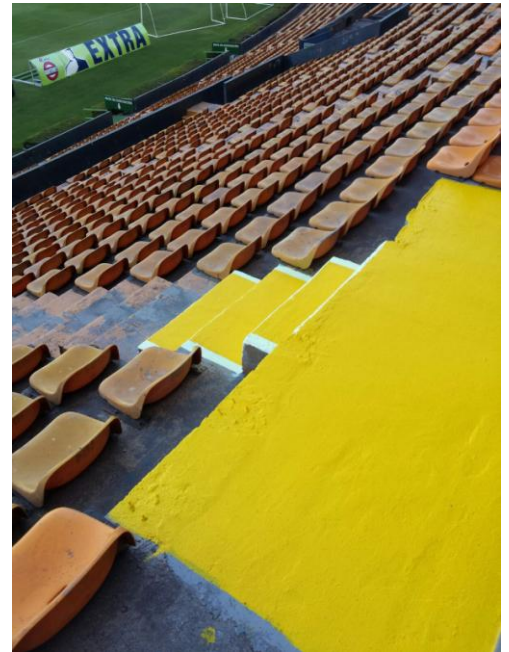


Technical Data Sheet

GA-175WB

GA-175WB is a clear or pigmented 2-Component water based aliphatic epoxy formulation with excellent chemical and UV resistance. GA-175WB has great adhesion to most substrates such as concrete, metals and asphalt. There is no odor or vocs allowing it to use for inside applications. It is available with 50% nano size glass filler, anti static , anti-microbial, and anti-corrosive additives. GA-175WB can be used as a primer and can be diluted with 25% water to penetrate porous concrete. GA-175WB dries to a high gloss top coat . The glass filled dries to a matte finish with a nonskid finish.



GA-175WB dries very fast depending on temperature, humidity and thickness. Typical drying times are 15 minutes with up to 8 hour pot life. GA-175WB may be sprayed, brushed or rolled. Rolling should be done with a short knap roller. Typical use temperatures are between 25-150F . Full cure should be 24 hours.

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

Technical Application Data

Concrete must be fully cured and cleaned prior to any coating operation. The cleaning operation must not leave any residual detergents, acids or alkali cleaners. Concrete flooring should be prepared with shot blasting (SPCC min. 2), diamond grinding and/or machine sanding depending on the severity of the concrete surface condition.

After concrete floor is properly prepared, GA-175WB self-priming material is to be applied within 45°F to 100°F. It is recommended that GA-175WB be diluted by 30-40% water and used as a primer coat to the bare concrete which will actively penetrate the porous surface.

This primer coat should also be slightly A-Side rich to promote excellent chemical bonding for the sequentially applied basecoat. This is accomplished by increasing the A-Side ratio by 10-12% PBV.

After the prime coat is thoroughly dry to the touch, the GA-175WB basecoat is applied at the normal 1:1 PBV ratio. If a non-skid floor job is specified, GA-175WB may be integrally aggregated. A non-skid base coat may also be achieved by aggregate broadcast into the wet coating. After the basecoat is thoroughly dry to the touch, the protective topcoat is to be applied at the normal mix of 1A:1B.

Thorough mixing must be performed using a hand drill jiffy mixer slowly as to not induce air into the liquid mixture until uniform color and texture is achieved. Apply GA-175WB coatings by roller, brush or airless sprayer. Pot life working time at 75°F is max 8 hours.

Recommended wet application film thickness as a primer should be 4-6 mils. Recommended wet application film thickness as a basecoat and topcoat be 8-10 mils. Coverage at 8 mils is 300 sq. ft. / mixed gal.

When using GA-175WB for coating steel, the substrate should be shot blasted to a sspc 4-6 mils profile. After shot blasting the substrate should be clean and dry. There should be no visible rust prior to coating.

Variable Adjustments

Ratio Change	Excess A-Side	Excess B-Side
Potlife	Increase	Decrease
Flexibility	Increase	Decrease
Hardness	Decrease	Increase
Better solvent	Increase	Decrease
Resistance	Decrease	Increase
Acid Resist	Increase	Decrease
Adhesion	Increase	Decrease
Water Resistance	Decrease	Increase
Corrosion	Decrease	Increase

Physical Properties

GA-175WB PHYSICAL PROPERTIES

Flex Modulus	ASTM D624	450 kpsi
Tensile Strength	ASTM D412	8610 psi
Elongation	ASTM D412	15%
Heat Deflection Temperature	ASTM D648	145 F
Relative Humidity	ASTM F2170	85%
Taber Abrasion CS18	ASTM D4060	80
Mix Ratio	PBV	1:1
Pot Life	8 hrs max.	

GA-175WB Glass Filled PHYSICAL PROPERTIES

Flex Modulus	ASTM D624	750 kpsi
Tensile Strength	ASTM D412	8750 psi
Elongation	ASTM D412	15%
Heat Deflection Temperature	ASTM D648	165 F
Relative Humidity	ASTM F2170	85%
Taber Abrasion CS18	ASTM D4060	75
Mix Ratio	PBV	2:1 A:B
Pot Life	6-8 hrs max.	

Application thickness up to 16 mils