



GA-150AP

TDS

GA-150AP is a new revolutionary non-conventional exterior 100% polyurea coating, especially designed for tanks and other exposed steel substrates. This product has been designed specifically to deliver the toughness and abrasion resistant properties of that of an aromatic polyurea but provides the capability of retaining color-fastness for a full range of pigmented colors. Unlike conventional aromatic polyureas, which in a white pigmented system turns yellow in hours when left in direct sun light, GA-150AP systems can withstand direct harsh sunlight experiencing no color change after 1 year. GA-150AP is available in several hardnesses and reactivities.

GA-150AP is available in 2 primary formulations, Sprayable and Rollable.

The Sprayable is formulated in 4 versions; 1-Hard-Fast; 2-Hard-Slow, 3-Flexible-Fast and 4-Flexible-Slow.

All Sprayables use a mix ratio of 1A:1B. These systems utilize a 2K high or low pressure dispensing machine such as a Graco Reactor or a hand-held cartridge gun.

Sprayable:

GA-150AP-FH (Fast and Hard) - 50 shore D with 90 seconds gel time

GA-150AP-FF (Fast and Flex) - 85 Shore A with 90 seconds gel time

GA-150AP-SH (Slow and Hard) - 50 Shore D with 120 seconds gel time

GA-150AP-SF (Slow and Flex) - 85 Shore A with 120 seconds gel time

Rollable:

GA-150APR- SH (Slow Hard) mix ratio is 1.5A:1B with a working time/gel time of up to 1 hrs.

GA-150APR- FH (Fast Hard) mix ratio is 1A:1B with a working time/gel time of 15-20 minutes.

**All gel times are dependent on ambient air and substrate temperatures.

GA-150AP Sprayable products may be applied using high pressure heated plural equipment, low pressure heated equipment or using cold spray 2K cartridge equipment. Primary heaters set at 110-120F, Hose Heat 110-120 F and Pressure at gun around 2000 psi using flat pattern spray tip.

GA-150AP Rollable products may be applied by roller, squeegee, brush or foam pad at room temperature.

Be sure all surfaces are clean and free from contamination and power-brushed to remove any loose debris. These coatings may be applied 20-40 mils in thickness. The addition of glass reflector beads must be applied directly to wet film before gel. This material may not be applied at temperatures below 40°F. Please contact our engineering group for application uses and/or customizable solutions for your specific requirements.



GA-150AP PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	3600 PSI
Elongation	ASTM D2256	350%
Hardness – Shore A	ASTM D785	80-85 A
Abrasion – taber cs17	ASTM D4060	45 mg/1K cycles
UV Testing	Visual	18+ months, no white color change

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. 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 for assistance with selecting Bridgeport Chemical application system. Mix 1A:1B thoroughly with a hand drill jiffy mixer. Apply GA-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.



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