

SELECTION & SPECIFICATION DATA

Type	Asphalt Modified Polyurethane
Description	Blackhawk 5701 is a two-component elastomeric compound of asphalt and polymers formulated for mixing and troweling at ambient temperature. It cures (by an in situ chemical reaction) to a tough, abrasive-resistant film which shows almost 100% elastomeric recovery from mechanical stress and forms a strong bond to a variety of substrates.
Features	<ul style="list-style-type: none"> • Low VOC • Flexible • Good elongation and excellent recovery • Can be sprayed • Excellent resistance to acids, alkalis, and salts • Service temperature of -80°F to 200°F (-62°C to 93°C) • Waterproof • Excellent slump resistance • High-build • Exempt from hazardous declaration under DOT regulations
Uses	<ul style="list-style-type: none"> • Waterproof membrane • Horizontal joint sealant • Crack bridging membrane • Bridge coat at interfaces between dissimilar substrates
Color	Black
Primer	Self-priming on most concrete and metal surfaces. Novocoat SC1100 Concrete Primer may be used to reduce the risk of outgas blisters on concrete.
Topcoats	Aggregate broadcast or coatings
Finish	Gloss
Limitations	Blackhawk 5701 should not be used where it will be exposed to high concentrations of oil or organic solvents. It is subject to ultraviolet degradation and therefore should not be exposed to sunlight for long periods as it will start to chalk, discolor and lose its glossy finish.

SUBSTRATES & SURFACE PREPARATION

All	All surfaces must be clean and free from debris and loose scale material or anything that may interfere with adhesion or act as a bond breaker with the desired substrate.
Concrete and Concrete Masonry Units (CMU)	Must be cured minimum 7 days at 75°F (24°C) and 50% relative humidity or equivalent. Prepare surfaces to expose aggregate. Voids in concrete may require surfacing. Mortar joints should be cured a minimum of 15 days.

Previously Painted Surfaces

Consult with ErgonArmor Technical Service Department

MIXING & THINNING

Mixing	DO NOT THIN. DO NOT MIX BY HAND. Use a electric or air driven 1/2 in drill with an 8 in square metal mixing blade. Premix Part A for 1 minute to reduce viscosity. DO NOT DRAW AIR INTO THE MIX. Add Part B hardener slowly over a period of at least 45 seconds. Move the mix blade in a clockwise and counter-clockwise motion for a full 3 minutes. DO NOT ALLOW MOISTURE TO CONTAMINATE THE MIXING PROCESS. Ensure that the entire contents of the packaged Part B is mixed into the entire contents of the packaged Part A.
Pot Life	30 minutes at 90°F (32°C) 40 minutes at 75°F (24°C) 50 minutes at 60°F (16°C) Not recommended below 60°F (16°C)

APPLICATION EQUIPMENT GUIDELINES

Trowel	Blackhawk 5701 trowel grade is applied by troweling or palming with coating films up to 3/16 in thickness. A 1/8 in square notched trowel or round/bull-nose roofing trowel is ideal. In troweling, wetting the trowel with mineral spirits will ease the pull required. The trowel grade is also well suited for caulking purposes and can be extruded rapidly through a hand or pressure caulking gun.
Dry-To-Touch	4 hours at 77°F (25°C)
Full Cure	24 hours at 77°F (25°C)

CLEANUP & SAFETY

Cleanup	Cured material cannot be recovered. Flush and clean all equipment after use with mineral spirits or equivalent solvent. Cured material can be soaked in solvent to aid in clean-up.
Safety	Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.
Ventilation	Thorough air circulation must be used during and after application until the product is cured. User should test and monitor exposure levels to insure all personnel are within safe limits.

PACKAGING, HANDLING & STORAGE

Shelf Life	Part A: 12 months at 75°F (24°C) Part B: 12 months at 75°F (24°C) When kept at recommended storage conditions and in original unopened containers.
Package Sizes & Shipping Weight	4 gallon kit: 40 lbs (18.14 kg)
Storage Temperature & Humidity	40°F – 110°F (4°C – 43°C) Store at or near 50% relative humidity
Storage	Store indoors. This product is not affected by excursions below these published storage temperatures, down to 10°F (-12°C), for a duration of no more than 14 days. Always inspect the product prior to use to make sure it is smooth and homogeneous and properly mixed.

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