

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Asphalt Modified Polyurethane
<b>Description</b>	Blackhawk 5700 is a liquid applied monolithic lining system with exceptional chemical and abrasion resistant elastomeric properties. As a cold applied chemistry, it is well suited as an alternate where hot applied membrane systems are not practical. Typical applications include primary and secondary containment, waste containment, spillway fountains, decorative ponds and various other waterproofing and corrosion protection situations. Due to its elastomeric properties, it may help to prevent the transmission of substrate cracks through the lining.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Low VOC</li> <li>• Elastomeric Properties</li> <li>• Self-leveling</li> <li>• Can be sprayed</li> <li>• Excellent resistance to acids, alkalis, and salts</li> <li>• Service temperature of -80°F to 200°F</li> <li>• Waterproof membrane</li> <li>• Exempt from hazardous declaration under DOT regulations</li> </ul>
<b>Recommended Uses</b>	<p>Blackhawk 5700 elastomeric sealant is designed as an expansion joint sealant having a bond of maximum strength. Its properties give it a wide range of uses as follows:</p> <ul style="list-style-type: none"> <li>• Where structural movement occurs on dissimilar substrates due to temperature and mechanical stress is expected, it forms a tough, adhesive bond that stretches and recovers.</li> <li>• Where adhesive to more than one construction material is desired. Example: between bridge decks where one side is concrete, the other metal. It bonds to concrete, metals, masonry, wood, glass and most plastic materials including urethane insulation.</li> <li>• Plant floors and highway joints.</li> <li>• Where extremely low temperatures will be encountered.</li> <li>• In horizontal and low-sloped joints.</li> </ul>
<b>Color</b>	Black
<b>Primer</b>	Self-priming on most concrete and metal surfaces. Novocoat SC1100 may be used to reduce the risk of outgas blisters on concrete.
<b>Topcoat</b>	Aggregate Broadcast or coatings
<b>Finish</b>	Gloss
<b>Dry Film Thickness</b>	30 mils per coat
<b>Solids Content</b>	By Volume 87% +/- 5%
<b>Theoretical Coverage Rate</b>	40 – 50 sq ft/gl at 30 mils

<b>VOC Value(s)</b>	<200 g/l
<b>Dry Temp Resistance</b>	Continuous: 300°F (149°C)
<b>Under Insulation Resistance</b>	Discoloration and loss of gloss occurs above 200°F (93°C) but does not affect performance.
<b>Limitations</b>	Blackhawk 5700 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 texture.

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	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 or CMU Concrete 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 min of 15 days.
<b>Previously Painted Surfaces</b>	Consult with ErgonArmor Technical Service Department

## MIXING & THINNING

<b>Mixing</b>	<p>An electric or air driven mixer (generating a vigorous vortex) is recommended. A standard metal, square head mixing blade having a minimum 8" head width is suggested and is available from multiple online and retail store suppliers.</p> <p>Mix Part A for a 1 minute pre-mix to reduce viscosity and ensure homogeneity. With vortex created, add Part B hardener slowly over a period of at least 45 seconds. Move the mix blade around in the pail to ensure full dispersion of the Part B hardener for 3 minutes. Proper blending of the Part A and Part B occurs when a slight vortex appears on top of the blend while mixing.</p> <p>Do not allow moisture contamination into the mix. Do not mix by hand.</p> <p>For additional instructions showing a proper mix of Blackhawk 5700, a demonstration video can be viewed at the following link:  <a href="https://www.youtube.com/watch?v=GnKxZaByqds&amp;feature=youtu.be">https://www.youtube.com/watch?v=GnKxZaByqds&amp;feature=youtu.be</a></p> <p>Caution: Material that reaches its full cure cannot be recovered. Therefore, it is recommended to guard against material set up on tools and pump equipment including hoses, guns, pumps etc. Flush and clean all equipment after use with mineral spirits.</p>
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<b>Thinning</b>	DO NOT THIN
<b>Ratio</b>	32:1 Ratio (A to B) by Weight
<b>Pot Life</b>	30 minutes at 32°C (90°F) 40 minutes at 24°C (75°F) 50 minutes at 16°C (60°F) Not recommended below 60°F

## APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

<b>Spray Application</b>	The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.
<b>Spray</b>	Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 0.070" I.D. fluid tip and appropriate air cap.
<b>Airless Spray Single Leg or Hot Pot</b>	Pump Size: 45:1 or greater Hose Length/Diameter: 200 ft x 1/2" Whip Length/Diameter: 15 ft x 1/4" Work Life, 4 gallons at 32°C (90°F)
<b>Brush</b>	Use a medium/thick bristle brush.
<b>Roller</b>	Use a short-nap synthetic roller cover with phenolic core.
<b>Trowel</b>	Use bull nose roofing trowel.
<b>Dry to Touch</b>	4 hours at 77°F
<b>Full Cure</b>	24 hours at 77°F

## CLEANUP & SAFETY

<b>Cleanup</b>	Use mineral spirits for suitable cleanup. In case of spillage, absorb and dispose of in accordance with local applicable regulations. Refer to SDS for more information.
<b>Safety</b>	Read and follow all caution statements on this product data sheet and on the SDS for this product. Wear protective clothing, gloves and eye protection.
<b>Ventilation</b>	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

<b>Shelf Life</b>	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.
<b>Shipping Weight</b>	4 Gallon Kit: 39 lbs (17.69 kg)
<b>Storage Temperature &amp; Humidity</b>	40° – 110°F (4° – 43°C) Store at or near 50% RH
<b>Storage</b>	Store Indoors. This product is not affected by excursions below these published storage temperatures, down to 10°F, 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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**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 material safety data sheets before using. While all statements, technical information, and recommendations contained herein are based on information our company believes to be reliable, nothing contained herein shall constitute any warranty, express or implied, with respect to the products and/or services described herein and any such warranties are expressly disclaimed. We recommend that the prospective purchaser or user independently determine the suitability of our product(s) for their intended use. No statement, information or recommendation with respect to our products, whether contained herein or otherwise communicated, shall be legally binding upon us unless expressly set forth in a written agreement between us and the purchaser/user. Please contact ErgonArmor for further information at 877.982.7667 or FAX 601-933-3381. For all Terms and Conditions of Sale see [ergonarmor.com](http://ergonarmor.com).

**ORDERING INFORMATION**  
For additional information, prices, or to place an order, please contact your ErgonArmor sales representative. If you do not know the name of your sales representative, call 877-98ARMOR.