

Blackhawk™ 5720 Membrane

SELECTION & SPECIFICATION DATA

Type	Asphalt Modified Polyurethane
Description	Blackhawk 5720 Membrane is a two-component elastomeric compound of asphalt and polymers formulated for mixing and spraying 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.
Features	<ul style="list-style-type: none"> Exempt from hazardous declaration under DOT regulations
Uses	<ul style="list-style-type: none"> Waterproof coating over insulation Excellent barrier against weather and moisture vapor Excellent adhesion to insulation, metal, and other substrates Low temperature properties May be used as a moisture-vapor barrier coating above and below grade Protect metals and wood against corrosion Resistant to ultraviolet degradation Cement pre-formed insulation to piping or vessels Adhere blocks of insulation together Recommended where movement of insulation will be encountered
Color	Black
Primer	Self-priming on most concrete and metal surfaces. Novocoat SC1100 Primer/Sealer may be used to reduce the risk of outgassing on concrete.
Topcoat	Aggregate broadcast or coatings
Finish	Gloss
Solids Content	68 - 78% by weight
VOC Value(s)	<350 g/L
Limitations	Blackhawk 5720 should not be used where it will be exposed to high concentrations of oil or organic solvents.

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.
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Concrete and Concrete Masonry Unit (CMU)

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 minimum of 15 days.

Previously Painted Surfaces

Consult with ErgonArmor Technical Service.

MIXING & THINNING

Mixing

The viscosities of the two components are such that the contents of Part B container can be readily poured into the Part A and mixed at product temperatures above 60°F. An electric or air driven mixer (generating a vigorous vortex) is recommended. A standard metal, square head mixing blade having a minimum 8-inch head width is suggested and is available from multiple online and retail store suppliers.

Mix Part A for a 1 minute premix 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. Upon completion, place mix head in empty pail and spin off excess material hanging on mix blade.

Do not allow moisture contamination into the mix. Do not mix by hand.

Thinning

Do not thin

Pot Life

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.

Cleanup

Mineral spirits

APPLICATION GUIDELINES

Brush

Use a medium/thick bristle brush

Dry-To-Touch

4 hours at 77°F (25°C)

Full Cure

24 hours at 77°F (25°C)

PACKAGING & HANDLING**ITEM# PACKAGING**

K-5720-005-001-UN Part A - Pail - 4.5 gallons

Theoretical Coverage Rate 40 - 50 square feet per gallon at 30 mils.**Storage & Shelf Life** Estimated shelf life is 12 months when stored in a dry area at 75°F (24°C). Actual shelf life may vary with storage conditions. Do not store below 40°F (4°C) or above 110°F (43°C). 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.**SAFETY****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.

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