

SELECTION & SPECIFICATION DATA

Type	Butyl Rubber Sealant
Description	Blackhawk Hawk-Seal is a high-tack butyl rubber compound, used to seal the joints of underground concrete structures such as box culverts, manholes, concrete pipe, septic tanks, utility boxes and vaults. It comes in roll form and functions as a seal against infiltration and exfiltration. The high grade butyl content allows for year-round, consistent sealability. Composed of no asphalt, Blackhawk Hawk-Seal provides a special high-tack feature only found in butyl.
Features	<ul style="list-style-type: none"> • Asphalt-free • No special tools needed • Retains flexibility in extreme temperatures • Excellent chemical resistance • Tolerates joint deflection • Plastic film backing for easy, tear-resistant release
Uses	<ul style="list-style-type: none"> • Manhole joints • Septic tank joints • Pipe joints • Box culverts • Arches • Grade ring joints • Concrete bridge spans
Color	Black
Primer	No primer needed in most applications. In challenging situations where priming may be needed such as applications to wet concrete and/or low temperatures, contact Armor for proper primer selection.
Solids Content	100% solids by volume
VOC Value(s)	0 g/L

SUBSTRATES & SURFACE PREPARATION

All	Surface must be free from all release agents, dirt, dust and debris to ensure that the sealant is bonding with the concrete only. Surface may be primed in difficult situations and rehabilitation jobs. Primer is not typically necessary. If conditions exist where a primer is being considered, please consult Armor.
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CLEANUP

Cleanup	Mineral spirits
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PACKAGING, ESTIMATING & HANDLING

ITEM#	PACKAGING
K-5820-HKS-001	Roll - 0.5 in x 26 ft
K-5821-HKS-001	Roll - 0.75 in x 14 ft 6 in
K-5823-HKS-001	Roll - 1 in x 14 ft 6 in
K-5824-HKS-001	Roll - 1.25 in x 14 ft 6 in
K-5826-HKS-001	Roll - 1.5 in x 10 ft
K-5827-HKS-001	Roll - 2 in x 7 ft
K-5824-HKS-001-EX	Roll - 1.25 in x 14 ft 6 in

Storage & Shelf Life

Estimated shelf life is 2 years from date of manufacture when stored in a dry area at 80°F (2°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 (-12°C), for a duration of no more than 14 days. Always inspect the product prior to use.

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.

SIZING CHART

WIDTH & LENGTH	CROSS SECTION DIMENSIONS	CROSS SECTION SHAPE	QUANTITY PER CARTON	CARTONS PER PALLET	PRODUCT CODE
0.5 in x 26 ft	0.5 in	Round	12	27	5820-HKS-001
0.75 in x 14.5 ft	0.66 in x 0.66 in	Square	10	36	5821-HKS-001
1 in x 14.5 ft	0.88 in x 0.88 in	Square	8	36	5823-HKS-001
1.25 in x 14.5 ft	1.1 in x 1.1 in	Square	6	36	5824-HKS-001
1.5 in x 10 ft	1.32 in x 1.32 in	Square	6	36	5826-HKS-001
2 in x 10 ft	1.77 in x 1.77 in	Square	4	27	5827-HKS-001

SPECIFICATIONS

Meets or exceeds ASTM C990-09, AASHTO M-198, and Federal Specification SS-S-210A.

REQUIRED TESTS	TEST METHOD	SPECIFICATION REQUIREMENT	RESULTS
Butyl rubber (hydrocarbon blends)	ASTM D297	50% min	52.30%
Ash-inert Mineral matter	AASHTOT111	30% min	34.20%
Volatile matter	ASTM D6 AASHTOT47	3% max	< 2.0%
Specific gravity at 77°F (25°C)	ASTM D71 AASHTOT229	1.15 min, 1.40 max	1.37
Ductility at 77°F (25°C)	ASTM D113 AASHTOT51	5.0 cm min	7.4 cm
Flash point, COC	ASTM D92	350°F (176°C) min	>500°F (260°C)
Fire point, COC	ASTM D92	375°F (190°C) min	>500°F (260°C)
Compression test at 77°F (25°C) 32°F (0°C)	ASTM C972	100 lbf/in ² max 200 lbf/in ² max	85 lbf/in ² 159 lbf/in ²
Cone penetration at 77°F (25°C) 32°F (0°C)	ASTM D217	50 to 120 30 min	97 dmm 36 dmm
Chemical resistance	ASTM C990	No deterioration, cracking, or swelling	Pass

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