

SELECTION & SPECIFICATION DATA

Type	Precast Concrete Joint Sealant
Description	Blackhawk 5401 Pipe Joint Mastic is a tough, permanent bituminous sealer of heavy trowel consistency. This material seals precast concrete storm and sanitary joints and will not crack or deteriorate under normal service conditions.
Features	<ul style="list-style-type: none"> • can be used on various joint sizes • remains flexible in temperature extremes • impervious to water sewage and roots
Uses	Blackhawk 5401 Pipe Joint Mastic is used to seal and connect intersections of pipe and culverts.
Primer	Self-priming
Solids Content	87% by volume

Theoretical Coverage Rate

Tongue and Groove lbs per joint	
12 in – 1.65 lbs	33 in – 15 lbs
15 in – 2.8 lbs	36 in – 19 lbs
18 in – 4.3 lbs	42 in – 29 lbs
21 in – 5.5 lbs	48 in – 38 lbs
24 in – 7.7 lbs	54 in – 50 lbs
27 in – 8.5 lbs	60 in – 60 lbs
30 in – 10 lbs	72 in – 90 lbs

VOC Value(s)	< 250 g/L
Limitations	Only apply material to joint within 2 hours of installation. This will prevent hardening of material before homing the joint.

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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MIXING & THINNING

Mixing	No mixing required. Ready to use as is.
Thinning	Do not thin.

APPLICATION EQUIPMENT GUIDELINES

Trowel	Apply to surface with a trowel or gloved hand. Form a layer of mastic so that it creates a 45° slope off of the top of the pipe joint that thins out toward the end of the pipe.
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CLEANUP & SAFETY

Cleanup	Mineral spirits
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.

PACKAGING, HANDLING & STORAGE

Shelf Life	12 months at 75°F (24°C)
	When kept at recommended storage conditions and in original unopened containers.
Package Sizes & Shipping Weight	5 gallon pails: 47.5 lbs (21.54 kg)
Storage Temperature & Humidity	40°F – 110°F (4°C – 43°C) 0 – 100% 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.

PERFORMANCE DATA

TEST METHOD	RESULT
Inert mineral filler % by weight (SS-S-210A) Meets ASTM D4541	15 – 50% minimum
Penetration at 77°F (25°C)	175 – 300 dmm
Flow at 140°F (60°C)	No flow
Pliability at 0°F (0°C)	Remains pliable

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