



# ErgonArmor™ Blackhawk 5401 Pipe Joint Mastic

## SELECTION & SPECIFICATION DATA

<b>Type</b>	Precast Concrete Joint Sealant
<b>Description</b>	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.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Can be used on various joint sizes</li> <li>• Remains flexible in temperature extremes</li> <li>• Impervious to water sewage and roots</li> </ul>
<b>Uses</b>	Blackhawk 5401 Pipe Joint Mastic is used to seal and connect intersections of pipe and culverts.
<b>Primer</b>	Self-priming
<b>Solids Content</b>	87% by volume
<b>VOC Value(s)</b>	< 250 g/L
<b>Limitations</b>	Only apply material to joint within 2 hours of installation. This will prevent hardening of material before homing the joint.

## SUBSTRATES & SURFACE PREPARATION

<b>All</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.
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## SAFETY

<b>Safety</b>	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.
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## MIXING & THINNING

<b>Mixing</b>	No mixing required. Ready to use as is.
<b>Thinning</b>	Do not thin.
<b>Cleanup</b>	Mineral spirits

## APPLICATION GUIDANCE

<b>Trowel</b>	Apply to surface with a trowel or gloved hand. Form a layer of mastic so that it creates a 45 degree slope off of the top of the pipe joint that thins out toward the end of the pipe.
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## PACKAGING, ESTIMATING & HANDLING

<b>ITEM #</b>	<b>PACKAGING</b>
K-5401-005-001	Pail - 4.7 gallons

### 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

### 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 (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.

## TYPICAL PHYSICAL PROPERTIES

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

Rev 12/21

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