



**ErgonArmor™**

# PRECAST PRODUCTS

*Sealants & Coatings for Precast Concrete*



**nPCA**  
MEMBER





**ErgonArmor™**

## **Separating good precast structures from those that fail comes down to the details.**

Joints are inevitable components of precast concrete construction. Sealing them correctly is vital to the integrity of the system. ErgonArmor's Blackhawk joint sealants provide the proper adhesion, strength and durability to ensure a watertight seal from initial installation through the life of precast structures. Our diverse coatings line for precast applications includes our environmentally friendly Novocoat epoxies. These are 100% solids and offer a VOC-free, user-friendly application for further protection of precast concrete substrates. Novocoat products protect against harsh bacterial and chemical attacks and offer outstanding abrasion resistance. The next time you run across a coating specification for your precast job, ask ErgonArmor.

*For more information about our products,  
visit [ergonarmor.com](http://ergonarmor.com).*



# Precast Products

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# Precast Sealants

## BUTYL SEALANTS

### BLACKHAWK HAWK-SEAL – Butyl Joint Sealant

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 flexibility.

#### FEATURES:

- » Asphalt-free
- » No special tools needed
- » Flexible in temperature extremes
- » Excellent chemical resistance
- » ASTM C990-09 compliant





## BLACKHAWK HAWK-WRAP – External Butyl Joint Wrap

Blackhawk Hawk-Wrap is a high-tack butyl rubber compound laminated with a tough HDPE backing for added puncture and tear resistance. It comes in roll form and is unrolled over concrete joints. It also functions as a seal against infiltration and exfiltration.

### FEATURES:

- » Asphalt-free
- » No special tools needed
- » Flexible in temperature extremes
- » Excellent chemical resistance
- » ASTM C877-08, Type II, Type A compliant



# Precast Sealants (continued)

## MASTIC

### BLACKHAWK PIPE JOINT MASTIC

Blackhawk Pipe Joint Mastic is a tough, permanent bituminous sealant of heavy trowel consistency that is impervious to water, sewage and roots. This material seals precast concrete storm and sanitary joints and will not crack or deteriorate under normal service conditions.

#### FEATURES:

- » Flexible in temperature extremes
- » Impervious to water, sewage and roots
- » ASTM D4586, Type 1 compliant





# Precast Protective Coatings

## LIQUID ASPHALT COATINGS

### SOLVENT-BASED BLACKHAWK LIQUID ASPHALT COATING – Summer and Winter Grades

Blackhawk Liquid Asphalt Coating is a liquefied asphalt compound formulated to be easily applied by roller, brush or spray equipment. It can be used as a coating or as a primer on surfaces receiving Blackhawk Pipe Joint Mastic, Hawk-Seal or Hawk-Wrap. It dries to a tough, durable and water-detering layer that maintains excellent performance over a wide range of temperatures and conditions.

#### FEATURES:

- » Roll, brush or spray application
- » Wide application temperature range
- » ASTM D4449, Type 1 compliant



# Precast Protective Coatings (continued)

## LIQUID ASPHALT COATINGS

### WATER-BASED ERTECH 2100 – Asphalt Emulsion Coating

Ertech 2100 Asphalt Emulsion Coating is a non-fibred asphaltic clay type emulsion that provides reliable water-based dampproofing on concrete products and can be brushed, rolled or spray applied. It is environmentally friendly and contains fewer VOCs than solvent-based dampproofings.

#### FEATURES:

- » Non-hazardous
- » Environmentally friendly
- » ASTM D1187, Type 1 compliant
- » ASTM D1227, Type III, Class 1 compliant





## EPOXIES

### NOVOPRIME SC1100 – Epoxy Primer

NovoPrime SC1100 is a 100% solids, low viscosity epoxy primer designed for deep penetration and sealing of concrete surfaces. Its slow cure rate makes it ideal for warm weather applications. NovoPrime SC1100 helps eliminate outgassing and bubbles when the top coat is applied. It can be applied to green concrete as young as seven days.

#### FEATURES:

- » 100% solids, no VOCs
- » Can be applied to green concrete as early as seven days
- » ASTM D4541 compliant



# Precast Protective Coatings (continued)

## EPOXIES

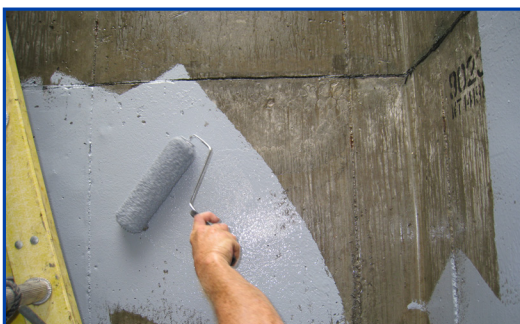


## NOVOCOAT SP2000W SERIES – Epoxies

Novocoat SP2000W series are 100% solids epoxies and contain no VOCs or solvents. They are ANSI/NSF 61 certified and may be safely applied in confined areas with good ventilation. Novocoat epoxies offer further protection to precast as they shield against corrosion in the presence of hydrogen sulfide and other chemicals.

### FEATURES:

- » 100% solids, no VOCs
- » ANSI/NSF 61 Certified
- » Excellent immersion resistance
- » Long-term wear protection
- » Meets AWWA C210 requirements





## NOVOCOAT SG2500 SERIES– High Build Epoxy Coatings

The Novocoat SG2500 series offers 100% solids high build epoxy coatings. These coatings can be used on a variety of substrates and applications. Typical applications include wastewater (tanks, lift stations, wet wells and manholes), cooling towers and more. Novocoat SG2500 series can also be used as an interior or exterior pipe lining or coating.

### FEATURES:

- » 100% solids, no VOCs
- » Can be spray applied at 125 mils in a single pass
- » Excellent immersion resistance



# Precast Release Agents

## BLACKHAWK PRECAST RELEASE 50

Blackhawk Precast Release 50 is a chemically active release agent specially engineered to prevent concrete from bonding to forms in precast and shop use applications. This product contains no diesel, waxes or silicones.

### FEATURES:

- » Fast drying
- » Contains no diesel, waxes or silicones







# ErgonArmor™

## About ErgonArmor:

You've built it. Now let ErgonArmor protect it.

We provide advanced surface protection solutions to a diverse range of harsh environments.

With ErgonArmor, you can be assured that our depths and strengths stand behind the solutions we offer. Let us be the manufacturing and technical resource you turn to for answers in protecting and maintaining the investment you have made in your industry.



[ergonarmor.com](http://ergonarmor.com)

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## 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**.

[ergonarmor.com](http://ergonarmor.com)



# ErgonArmor™

# Precast Product Specifications

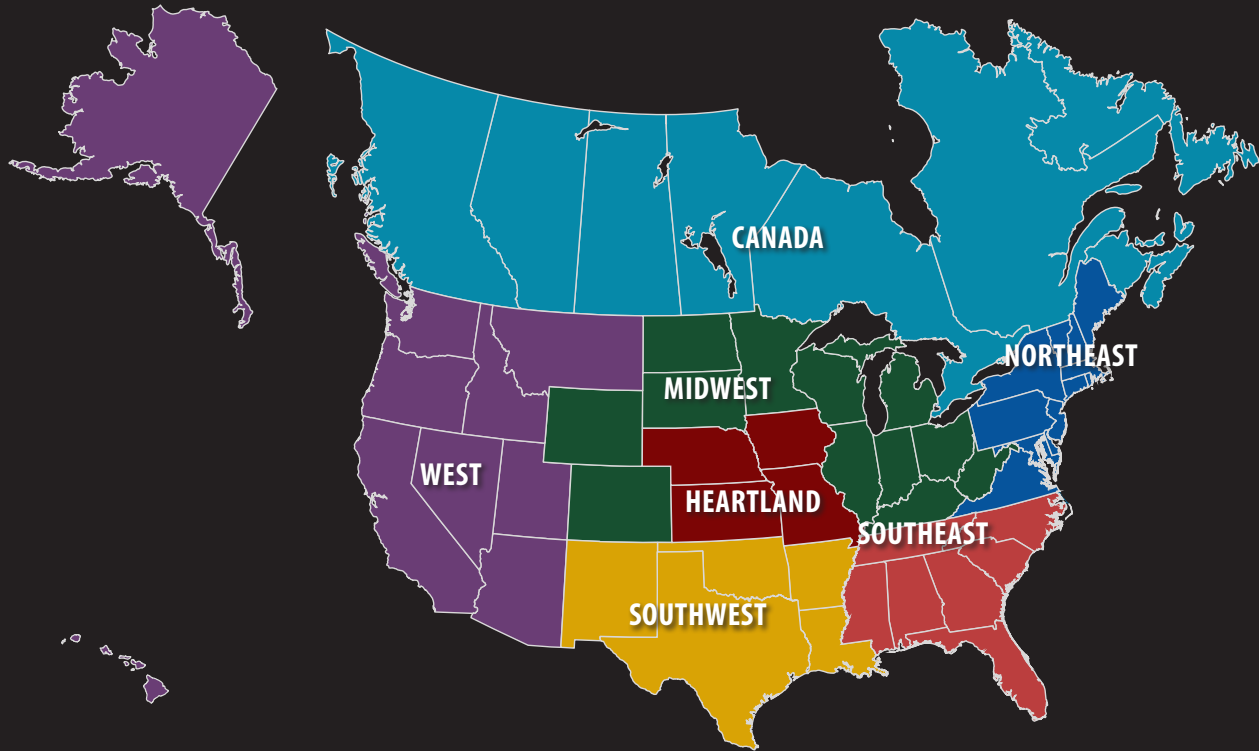
PRODUCT NAME	DIMENSIONS	PRODUCT NUMBER	ROLLS/BOX	BOXES/PALLET
<b>Blackhawk Hawk-Seal</b>	1/2 in	5820-HKS-001	12	27
	3/4 in	5821-HKS-001	10	36
	1 in	5823-HKS-001	8	36
	1 1/4 in	5824-HKS-001	6	36
	1 1/2 in	5826-HKS-001	6	36
	2 in	5827-HKS-001	4	27
<b>Blackhawk Hawk-Wrap</b>	6 in	5830-HKW-001	4	20
	9 in	5831-HKW-001	4	20
	12 in	5832-HKW-001	2	20
PRODUCT NAME	CONTAINER	PRODUCT NUMBER	PACKAGING (NET)	PALLET QUANTITY
<b>Blackhawk Pipe Joint Mastic</b>	5 Gallon Pail	5401-005-001	4.7 Gallon	42
<b>Blackhawk Liquid Asphalt Coating</b>	5 Gallon Pail	5011-005-001	4.7 Gallon	42
	55 Gallon Drum	5011-053-001	53 Gallon	4
<b>Ertech 2100 Emulsion Coating</b>	5 Gallon Pail	2000-005-001	5 Gallon	36
	55 Gallon Drum	2000-053-001	53 Gallon	4
<b>NovoPrime SC1100 Epoxy Primer</b>	1 Gallon Kit	SC1100-1GLKT-01	1 Mixed Gallon	180
	5 Gallon Kit	SC1100-5GLKT-01	5 Mixed Gallon	36
<b>Novocoat SP2000W Series Epoxies</b>	1 Gallon Kit	SP2310-1GLKT-01	1 Mixed Gallon	180
	5 Gallon Kit	SP2310-5GLKT-01	5 Mixed Gallon	36
<b>Novocoat SG2500 Series Epoxies</b>	5 Gallon Pail	SG2510A-5GLB-01 SG2508B-5GLB-01	5 Gallon	36
	55 Gallon Drum	SG2510A-DRUM-01 SG2508B-DRUM-01	50 Gallon	3
<b>Blackhawk Precast Release 50</b>	5 Gallon Pail	6003-005-001	5 Gallon	42
	55 Gallon Drum	6003-053-001	53 Gallon	4
	275 Gallon Tote	6003-275-001	275 Gallon	n/a

\*Application rates are approximate and can vary based on substrate and application.



ROLL LENGTH	ASTM/AASHTO	TYPE	COLOR
26 ft	ASTM C990-09 AASHTO M-198 AASHTO SS-S-S210	Butyl Rubber Sealant	Black
14.5 ft			
14.5 ft			
14.5 ft			
10 ft			
7 ft			
33 ft	ASTM C877-08 Type III, Type A	Butyl Rubber Sealant	Black
33 ft			
33 ft			
APPLICATION RATE/GALLON*	ASTM/AASHTO	TYPE	COLOR
18 lbs/36 in joint	ASTM D4586, Type I	Solvent-Based Cement	Black
160 ft <sup>2</sup> at 10 wet mils	ASTM D449, Type I	Solvent-Based Cutback	Black
160 ft <sup>2</sup> at 10 wet mils	ASTM D1187, Type I ASTM D1227, Type II, Class 1 ASTM D1227, Type III, Class 1	Water-Based Emulsion	Black
300-500 ft <sup>2</sup>	ASTM D4541 (Adhesion Test)	100% Solids Novolac Epoxy	Amber/Clear
160 ft <sup>2</sup> at 10 wet mils	ASTM D4541 (Adhesion Test)	100% Solids Novolac Epoxy	Grey & Other Colors Available
80 ft <sup>2</sup> at 20 wet mils 12.83 ft <sup>2</sup> at 125 wet mils	ASTM D4541 (Adhesion Test)	100% Solids Novolac Epoxy	Green & Other Colors Available
81 ft <sup>2</sup> at 20 wet mils 12.83 ft <sup>2</sup> at 125 wet mils			
2500 ft <sup>2</sup>	n/a	Oil-Based Reactive Release Agent	Light to Amber Liquid

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