



ErgonArmor™

PRECAST PRODUCTS

Sealants & Coatings for Precast Concrete



NPCA
MEMBER



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 attack 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.*



Precast Products

SEALANTS & COATINGS FOR PRECAST CONCRETE



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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

MASTIC

BLACKHAWK 5401 PIPE JOINT MASTIC

Blackhawk 5401 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

BLACKHAWK LIQUID ASPHALT COATING

Blackhawk Liquid Asphalt Coating is a liquefied asphalt coating 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. Available in Summer and Winter grades.

FEATURES:

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



Precast Protective Coatings

LIQUID ASPHALT COATINGS

ERTECH 2100 – Asphalt Emulsion Dampproofing

Ertech 2100 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
- » Water-based
- » Environmentally friendly
- » ASTM D1187, Type 1 compliant
- » ASTM D1227, Type III, Class 1 compliant



WATER-BASED ACRYLIC COATING

ERTECH 7230 – Acrylic Dampproofing

Ertech 7230 is a water-based, fast drying concrete dampproofing that leaves a thin, durable film that is effective against the abrasive effects of backfilling on concrete structure exteriors. It can easily be applied using a brush, roller or spray equipment and is resistant to 5% hydrochloric acid, 5% sulfuric acid, and 5% caustic potash.

FEATURES:

- » Fast drying
- » Water-based
- » Abrasion resistant
- » Increased coverage versus asphalt-based coatings
- » Complies with EPA 40 CFR 261 for solid waste management



Precast Protective Coatings

EPOXIES

NOVOCOAT SC1100 PRIMER/SEALER

Novocoat SC1100 Primer/Sealer 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. Novocoat SC1100 Primer/Sealer 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
- » Penetrating sealer

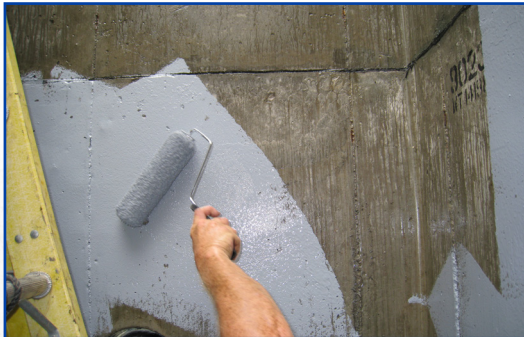


NOVOCOAT SP2000W LINING

Novocoat SP2000W Lining is a 100% solids epoxy that contains no VOCs or solvents. It may be safely applied in confined areas with good ventilation. Novocoat SP2000W Lining offers protection for precast concrete structures by guarding against hydrogen sulfide attack and preventing microbially-induced corrosion (MIC).

FEATURES:

- » 100% solids, no VOCs
- » Excellent immersion resistance
- » Long-term wear protection
- » Meets AWWA C210 requirements



Precast Protective Coatings

EPOXIES

NOVOCOAT SG2500 LINING – High Build Epoxy Coating

Novocoat SG2500 Lining is a 100% solids high build epoxy coating suitable for a variety of substrates and applications. Typical applications include wastewater (tanks, lift stations, wet wells and manholes), cooling towers and more. Novocoat SG2500 Lining 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

FORM RELEASE

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.

FEATURES:

- » Fast drying
- » Contains no diesel, waxes or silicones
- » Sprays easily in cold temperatures



Precast Product Specifications

PRODUCT NAME	DIMENSIONS	PRODUCT NUMBER	ROLLS PER CARTON	CARTONS PER PALLET
Blackhawk™ Hawk-Seal	1/2-inch	K-5820-HKS-001	12	27
	3/4-inch	K-5821-HKS-001	10	36
	1-inch	K-5823-HKS-001	8	36
	1 1/4-inch	K-5824-HKS-001	6	36
	1 1/2-inch	K-5826-HKS-001	6	36
	2-inches	K-5827-HKS-001	4	27
Blackhawk™ Hawk-Wrap	6-inches	K-5830-HKW-001	4	20
	9-inches	K-5831-HKW-001	4	20
	12-inches	K-5832-HKW-001	2	20
PRODUCT NAME	CONTAINER	PRODUCT NUMBER	NET CONTENT	PALLET QUANTITY
Blackhawk™ 5401 Pipe Joint Mastic	5 gallon pail	K-5401-005-001	4.7 gallons	42
Blackhawk™ Liquid Asphalt Coating (SG & WG)	5 gallon pail	K-5011-005-001 K-5012-005-001	4.7 gallons	42
	55 gallon drum	K-5011-053-001-UL K-5012-053-001-UL	53 gallons	4
Ertech™ 2100	5 gallon pail	M-2000-005-004	5 gallons	36
	55 gallon drum	M-2000-053-005	53 gallons	4
Ertech™ 7230	5 gallon pail	K-7230-005-001	4.7 gallons	36
	55 gallon drum	K-7230-053-001	53 gallons	4
Novocoat™ SC1100 Primer/Sealer	1 gallon kit	M-SC1100-1GLKT-01	1 mixed gallon	Varies
	5 gallon kit	M-SC1100-5GLKT-01	5 mixed gallons	
Novocoat™ SP2000W Lining	1 gallon kit	M-SP2310-1GLKT-01	1 mixed gallon	Varies
	5 gallon kit	M-SP2310-5GLKT-01	5 mixed gallons	
Novocoat™ SG2500 Lining	5 gallon pail	M-SG2510A-5GLB-01 M-SG2508B-5GLB-01	5 gallons	Varies
	55 gallon drum	M-SG2510A-DRUM-01 M-SG2508B-DRUM-01	50 gallons	
Blackhawk™ Precast Release 50	5 gallon pail	K-6003-005-001	5 gallons	36
	55 gallon drum	K-6003-053-001	53 gallons	4
	275 gallon tote	K-6003-275-001	275 gallons	1

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

ROLL LENGTH	SPECIFICATION COMPLIANCE	PRODUCT TYPE	COLOR
26 ft	ASTM C990-09 AASHTO M-198 AASHTO SS-S-S210	Butyl Rubber Joint Sealant	Black
14.5 ft			
14.5 ft			
14.5 ft			
10 ft			
7 ft			
33 ft	ASTM C877-08 Type III, Type A	External Butyl Rubber Joint Sealant	Black
33 ft			
33 ft			
APPLICATION RATE*	SPECIFICATION COMPLIANCE	PRODUCT TYPE	COLOR
18 lbs/36-in joint	ASTM D4586, Type I	Solvent-based Asphalt Cement	Black
80 ft ² per gallon at 12 dry mils	ASTM D449, Type I	Solvent-based Asphalt Dampproofing	Black
80 ft ² per gallon at 12 dry mils	ASTM D1187, Type I ASTM D1227, Type II, Class I ASTM D1227, Type III, Class I	Water-based Asphalt Dampproofing	Black
120 ft ² per gallon at 3 dry mils	EPA 40 CFR 261 compliant	Water-based Asphalt Dampproofing	Black
320 ft ² per gallon at 5 dry mils		100% Solids Epoxy Primer	Amber/Clear
160 ft ² per gallon at 10 dry mils	ASTM D4541 (Adhesion Test)	100% Solids Epoxy Coating	Gray (Other Colors Available)
50 ft ² per gallon at 30 dry mils 12 ft ² per gallon at 125 dry mils	ASTM D4541 (Adhesion Test) Meets AWWA C210 performance requirements	100% Solids Polyamide Epoxy Coating	Green (Other Colors Available)
1000 – 2000 ft ² per gallon		Oil-based Reactive Release Agent	Colorless Liquid



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.



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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**.

