ARMOVEX

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TECHNICAL DATA SHEET

ARMOVEX BCX

KEY FEATURES

- Zero-VOC, single component system with no mixing required
- Spray, roller, or squeegee application with unlimited pot life
- Hybrid penetrating + film-forming protection for long-term durability

OVERVIEW

- Water-based hybrid coating for multi-surface protection
- Penetrates and seals while forming a breathable surface film
- Built for fast application and long-term durability

PRODUCT SPECIFICATIONS

PRODUCT MODEL	ARMOVEX BCX
COVERAGE RATES	125-175 sq ft/gallon
COMPATIBILITY	Concrete, metal, wood, stone

CURE TIMES	Dry to touch 10-30 min
FOOT TRAFFIC	24 Hours
FULL CURE	Vehicle Traffic 72-96 Hours

OUR WARRANTY

ARMOVEX offers a non-prorated limited warranty on BCX when applied according to manufacturer guidelines.

Contact ARMOVEX for full warranty terms and project-specific coverage.

ARMOVEX BCX

A spray-applied, clear, single-component, water-based hybrid sealer.

Designed to protect both new and existing interior and exterior substrates. It shields vertical and horizontal surfaces from water penetration, surface wear, and environmental degradation across a wide range of applications including concrete, coatings, flooring, and roofing systems.

BCX penetrates the upper pore structure of cementitious and porous materials, forming a hydrophobic network that limits moisture absorption and surface contamination. At the same time, it creates a breathable, clear surface film that resists abrasion, staining, and chemical exposure while maintaining long-term appearance.
This system is engineered for simplicity, sustainability, and performance. BCX contains no solvents, PFAS, APEO, benzophenone, or formaldehyde, making it safe for use in enclosed and environmentally sensitive spaces while maintaining industrial-grade durability.

BCX provides excellent resistance to acids, alkalis, salts, fuels, oils, and aggressive contaminants. It also resists biological growth including mold, mildew, algae, and efflorescence, even in high-humidity or coastal environments.

It is compatible with both cementitious and non-cementitious substrates, including coated and resinous systems. When applied to metal or coated surfaces, BCX enhances durability, protects against oxidation, and maintains long-term appearance.

In flooring systems, BCX functions as a clear topcoat or intermediate layer capable of encapsulating decorative flake, quartz, or broadcast media. Its fast-drying, single-component formulation simplifies installation while delivering a smooth, durable, non-yellowing finish in high-traffic environments.
BCX supports decorative broadcast systems and integrates seamlessly with coatings, membranes, and striping systems, ensuring full adhesion compatibility.

FEATURES & BENEFITS

- **Comprehensive surface protection** against water, abrasion, staining, and chemical exposure
- **Hybrid penetrating + film-forming technology** for internal and surface-level protection
- **Multi-surface compatibility** across concrete, wood, metal, coatings, and composites
- **High resistance to industrial chemicals**, fuels, and environmental contaminants
- **UV-stable, non-yellowing finish** for long-term visual performance
- **Environmentally responsible formulation** with zero VOC and no harmful additives
- **Fast-drying, single-component application** with no mixing required
- **Compatible with decorative flake**, quartz, and broadcast systems
- **Seamless integration with coatings**, paints, sealers, and roofing systems

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PRECAUTIONS

Do not allow BCX to contact glass surfaces. Immediately clean affected areas with water and a clean cloth.
Protect adjacent materials from overspray or spillage. Do not apply during rain, high humidity, or when condensation is present.
Ensure substrate temperature is at least 5°F above the dew point to prevent adhesion or curing issues.

INSTALLATION

1. Prepare Surface – Ensure surface is clean, dry, and free of contaminants
2. Protect Surroundings – Mask off adjacent areas
3. Add Pigment (Optional) – Mix thoroughly if applicable
4. Mix Product – Stir gently for 3–5 minutes (DO NOT SHAKE)
5. Strain Material – Prevent sprayer clogging
6. Apply First Coat – Even, uniform application without puddling
7. Broadcast Media (Optional) – Apply while wet
8. Dry Time – 10–30 minutes
9. Apply Second Coat – Encapsulate broadcast layer
10. Cure – 4–6 hours light traffic, 24–72 hours full cure
11. Clean Equipment – Use clean water immediately after use

APPLICATION CONDITIONS

Hot Weather: Do not apply above 120°F. Cold Weather: Do not apply below 32°F

STORAGE & HANDLING

Shelf life: 2 years. Store in a cool, dry environment. Keep containers tightly sealed.

AVAILABILITY

Available In: 1-gallon containers, 5-gallon pails, 55-gallon drums, and 275-gallon totes.