ELEPHANT ARMOR® FAMILY GUIDE

The Question We Get Most

Surface Armor™ or EA Color Armor™?

Both are polymer-modified cementitious products for concrete, and both can be pigmented. The real difference is how fine the matrix is, and how thick a layer you can lay down.

	Surface Armor™ The Monolithic Aesthetic Solution	EA Color Armor™ The Aesthetic and Traffic Marking Solution
MATRIX	Fine matrix polymer-modified cementitious micro-topping.	Ultra-fine matrix polymer-modified cementitious micro-cement.
LAYER AND FINISH	Smooth or lightly textured thin profile. Thick enough to pull a broom texture.	Ultra-smooth colored finish in one consistent coat.
COLOR	Natural concrete. Accepts liquid and dry pigments.	8 Federal Standard (FS) 595 colors. Natural gray also accepts liquid and powder pigments for architectural customization.
APPLY WITH	Bristle broom, squeegee trowel, GST smooth rollers and spray equipment.	GST rollers with a 1/8 to 1/2 in (3 to 13 mm) nap, paint brush, spray equipment. On large horizontal surfaces, an 18 in (46 cm) GST Smooth Roller.
BEST FOR	• Refreshing spalled areas • Filling surface cracks • Seamless topcoat over Elephant Armor® repairs	• Vertical and horizontal surfaces • Sealing hairline micro-fissures • Traffic and safety line marking • Sport court surfacing

Bars are relative, illustrative comparisons, not measured values.

THEY SHARE **Polymer-modified and cementitious micro-toppings. Both are highly breathable, venting vapor pressure to prevent blistering and delamination.**

Elephant Armor ® Family of Products

Comparison Chart

	Elephant Armor® DOT & EA Asphalt Repair® (The Structural Heavyweight)	**Surface Armor™** (The Monolithic Aesthetic Solution)	**EA Color Armor™** (The Aesthetic coating & Traffic Marking Solution)
Primary Role	Heavy-duty structural repair and engineered overlay product.	Thin crack filling. Cosmetic resurfacing	Long lasting traffic marking, sports court, and ultra-fine microfissure repair.
Material Formulation	Zero polymer, high fiber-load cementitious repair mortar.	Polymer-modified cementitious micro-topping	Polymer-modified cementitious product with ultra-fine matrix (no fiber).
Texture & Profile	Coarse to smooth, high-ductility, industrial-grade matrix.	Smooth or lightly textured thin profile.	Ultra-smooth, coloredpaint-like finish.
Color Availability	EA DOT, Natural Concrete. (Accepts liquid and powder pigments.*) EA Asphalt Repair, Black	Natural Concrete. (Accepts liquid and powder pigments.*)	8 Standard Fed-Std-595 Colors Natural gray also accepts liquid and powder pigments.
Vapor Permeability	High breathability.	High breathability. (Vents vapor pressure to prevent blistering and delamination).	Highly Breathable (Vents vapor pressure to prevent blistering and delamination).
Application Methods	GST Texture Roller, Squeegee Trowel, Trowel, Broom for finishing, Spray equipment.	Bristle broom, Squeegee Trowel, GST Roller and Spray equipment	GST Roller 1/8"-1/2" nap, paint brush, spray equipment
Best Used For	• Deep spalls & structural cracks • High-traffic roadway patches • Structural concrete/asphalt repair • Micro-trenching reinstatement	• Refreshing spalled areas • Filling surface cracks • Seamless topcoat over Elephant Armor®	• Sealing hairline micro-fissures • Traffic/safety line marking • Sport court surfacing • Vertical & horizontal applications

NOT EITHER / OR: SOME JOBS ARE STEP 1 AND STEP 2

STEP 1 - REPAIR

DOT Mortar or EA Asphalt Repair

Fix structural damage first. Cracks wider than 1/8" (3mm) need to be filled with this first before any finish.

STEP 2 - BLEND IN

Surface Armor™ System

A seamless topcoat that matches the surrounding surface. Can be textured.

STEP 2 - MARK AND PROTECT

EA Color Armor™ System

Seals hairline fissures and adds durable traffic or safety color.