

# EPOXIKOTE™/PATCH™ DATA SHEET

## EPOXY PATCHING AND COATING COMPOUND

100% SOLIDS; EXTREMELY DURABLE; NON-FLAMMABLE;

### CHEMICAL, SOLVENT AND ACID RESISTANT

**EpoxiKote™** is a two-component, epoxy-based patching compound designed for repairing "spalling", "pop-outs", fissures, cracks, ruptures and other damage to concrete, cinder block, brick and masonry in general.

**EpoxiPatch™** will accept dry aggregate additives, ranging from extremely fine powders for surface coating, to fine silica sand for surface texturing, to coarse gravel for large sectional repair. Can be used for swimming pool resurfacing.

**EpoxiPatch™** can be mixed with dry Portland cement and/or aggregate (up to 1:3 ratio) for trowelable concrete repair.

**EpoxiPatch™** exhibits long service life, extreme durability, high adhesion and reliable resistance to: extreme weather; abrasion; corrosion; water immersion; temperature extremes; vehicular traffic; acids, alkalis, solvents; petro-chemicals, lubricants, gasoline, aviation & diesel fuels; CCA, pentachlorophenol & other wood preservative chemicals.

**EpoxiPatch™** possesses excellent chemical resistance, flexural, impact and tensile characteristics, even after years of exposure to harsh environments. Recommended for Wood Preserving Drip Pad repair, prior to pad sealing.

**EpoxiKote™** (no aggregate) can be applied on re-bar, concrete, wood, metal, masonry or other surfaces as a protective coating.

### SURFACE PREPARATION

All surfaces to be repaired with **EpoxiPatch™**, or coated with **EpoxiKote™** should be dry, clean, and free from all oil, grease, paint, corrosion, wax, tar, asphalt, loose aggregate, dirt, and other contaminants.

### MIXING INSTRUCTIONS

Mix 4 parts of **EpoxiKote™ Base Compound** with 1 part **EpoxiKote™ Cure Agent** (4:1 by wt), until completely uniform, and no trace of unmixed base compound or curing agent is visible. **EpoxiKote™** may be directly dribbled in narrow cracks. **EpoxiPatch™** for repairing large cracks & spalls: add equal volume clean, dry sand, &/or pea gravel, &/or dry Portland Cement, to **EpoxiKote™**. For surface texturing, slowly add up to 40 pounds of dry, fine (#30) silica sand to 1-gallon of mixed **EpoxiKote™**. Mix thoroughly until gravel or sand aggregate is completely uniform and "wetted out". Optimum mixing temperature is 70°-80°F.

### APPLICATION

**Repairs:** Use trowels to work **EpoxiPatch™** aggregate into pop-outs, spalls, fissures and cracks, and then feather new repair edges to blend into surface.

**Texturing:** Trowel **EpoxiKote™/sand** mixture to a 1/16-inch thickness. Will cover approximately 120 square feet.

**Coating:** Apply straight **EpoxiKote™** using a brush or short-napped paint roller. A 6-mil coat will cover @160 ft<sup>2</sup>, depending on surface porosity. A 1:5 **EpoxiPatch™** to cement and/or fine aggregate blend, will cover @500 ft<sup>2</sup>.

### TOOL & EQUIPMENT CLEANING

Tools for applying **EpoxiKote™/Patch™** may be cleaned using Methyl Ethyl Ketone (M.E.K.), Toluene, Xylene or other chlorinated solvent, before material cures.

### PACKAGING

**EpoxiKote™/Patch™** is packaged in 1-gallon & 5-gallon kits. Custom packaging is available.

### PHYSICAL PROPERTIES

#### APPLICATION

Base Color .....	Clear, White, Gray, Custom
Consistency .....	Pourable
Curing Agent Color .....	Pale Yellow
Consistency .....	Light Pourable
Mixing Ratio (by weight) .....	4:1
Solid Content .....	100%
Volume fill of 1-gallon kit .....	231 cu.in. = 1.6 cu.ft.
Volume fill of 1-gal EK/P + 1-gal fine sand .....	3.0 cu.ft.
Optimum Mix Temperature .....	70°-80°F
Usable "Pot" Life .....	@75-min. at 75°F/50% RH
"Light Traffic" Cure Time .....	@24-hrs. at 75°F/50% RH
Full Cure Time .....	@72-hrs. at 75°F/50% RH

#### PERFORMANCE

Color .....	Clear, White, Gray, Custom
Shrinkage .....	Negligible
Hardness .....	80 Shore "D"
Peel Adhesion (100% Cohesive Break) .....	20 lbs/inch
Compression Strength .....	18,000 P.S.I.
Tensile Strength .....	10,000 P.S.I.
Flexural Strength .....	8,000 P.S.I.
Impact Strength .....	2.5 foot-pounds/inch of Notch
Tensile Modulus .....	2 x 10 P.S.I.
Chemical & Solvent Resistance .....	Excellent

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