

EPOXI PATCH™ / KOTE™ DATA SHEET

EPOXY PATCHING AND COATING COMPOUND

100% SOLIDS; EXTREMELY DURABLE; NON-FLAMMABLE; CHEMICAL, SOLVENT AND ACID RESISTANT

- EpoxiPatch™** 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 1:5 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 **EpoxiPatch™ Base Compound** with 1 part **EpoxiPatch™ Cure Agent** (4:1 by wt), until completely uniform, and no trace of unmixed base compound or curing agent is visible. For repair purposes, up to 5 parts (by wt) Dry Portland Cement and appropriate aggregate, can be added to 1 part mixed **EpoxiPatch™**. For surface texturing, slowly add up to 40 pounds of dry, fine (#30) silica sand to 1-gallon of mixed **EpoxiPatch™**. 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 **EpoxiPatch™**/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 ft², depending on surface porosity. A 1:5 **EpoxiPatch™** to cement and/or fine aggregate blend, will cover @500 ft².

TOOL & EQUIPMENT CLEANING

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

PACKAGING

EpoxiPatch™/Kote™ is packaged in 1-gallon cans, 5-gallon pails and 55-gallon drums. Custom packaging is available.

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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%
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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