

DECK-TOP 47

Latex-Modified Concrete Repair and Resurfacing Mortars

DESCRIPTION:

DECK-TOP 47 is a two-part, latex modified, concrete patching and resurfacing compound designed for high-performance in both deep repair and thin-section topping applications.

DECK-TOP 47 is a multi-purpose latex modified patch/resurfacer.

Deep repairs performed with **DECK-TOP 47** offer high bond strength, low drying shrinkage and low Modulus of Elasticity. This results in durable, crack-free repairs.

Thin section applications of **DECK-TOP 47** (1/8" to 1/4" thickness) withstand heavy vehicular traffic and vibration without loss of adhesion or rapid wear.

RECOMMENDED APPLICATIONS:

- **Resurfacing** of Scaled Concrete Floors, Decks and Ramps
- **Repair** of Frost or Rain-Damaged Concrete
- **Repitching** of Decks and Terraces
- **Anti-Skid and Non-Slip** Toppings
- **Wear-Resistant Toppings** for Vehicular Traffic Ramps, Curves and Turn Areas

FEATURES:

Appearance: Excellent aesthetic results are achieved, whether Standard Grey or an optional Custom Color is selected. Over 1000 colors are offered, and custom color-matching is also available. Texture may also be customized.

Versatility: A wide range of finishes, colors and working consistencies can be readily achieved.

Compatibility: **DECK-TOP 47's** thermal expansion and moisture vapor transmission characteristics assure that repairs will not crumble, delaminate, lose adhesion or cause damage to repaired or topped surfaces. **DECK-TOP 47** contains no added chlorides.

Safety: **DECK TOP 47** is virtually odorless, essentially non-toxic, non-flammable and free of corrosives, solvents, and toxic diluents or additives.

Durability: **DECK-TOP 47** is exterior durable, UV insensitive, and highly resistant to salt, water and freeze-thaw.

TYPICAL PROPERTIES*:

PROPERTY	RESULT
Direct Tensile Bond Strength	>200 psi
Tensile Strength	800-900 psi
Compressive Strength	5000-6000 psi
Flexural Strength	1600-1850 psi
Impact Strength	18-22 in-lbs
Taber Abrasion (H-22 Wheel 1000 g, 1000 cycles)	1-2% loss
Linear Coefficient of Thermal Expansion	$6-7 \times 10^{-6} / ^\circ\text{F}$

*28 day cure, 50% RH, 72 °F

Composition: Part A, **DECK-TOP 47A**, is a proprietary acrylic emulsion. Part B powder is a blend of specialty cements, select graded aggregates, and organic and inorganic additives and admixtures.

Suitable Substrates: Concrete, Siliceous Stone, Wood, Polystyrene Foam, Glass Fiber Reinforced Cement, Steel

PACKAGING & COVERAGE:

Each unit consists of 1 gallon **47A** (liquid component) and one 50-pound bag of **DECK-TOP 47 Powder**. Nominal yield is ½ cubic foot. Nominal coverage is 25 sq. Ft. Per unit at ¼ inch depth.

APPLICATION:

1. Surface Preparation: Remove all grease, oil, dirt, efflorescence, paint, curing compound, sealer, crumbled or loosened concrete, or any other materials which may interfere with adhesion. For most applications, shotblasting or surface grinding are recommended, removing a small section of surface concrete in order to produce a clean, porous, stipple-textured surface. Prepare deep repair surfaces and exposed reinforcement in accordance with ICRI Guideline #03730. For priming of exposed steel reinforcement, use **System 49-CPBA**. Pre-dampen prepared concrete surface with clean water and keep surfaces continuously damp for at least 20 minutes before application, to reduce substrate suction and improve bond.

2. Application: Apply to damp surfaces free of standing excess water. Dense, low-porosity substrates will benefit from application of a slurry coat of **47A** (liquid component) and **DECK-TOP 47 Powder**, mixed at approximately 3:1 by volume. Apply **DECK-TOP 47** within 4-8 hours of slurry application.

Thoroughly mix **47A** (liquid component) and **DECK-TOP 47** (powder component) at the rate of 2/3 to 3/4 gallons per 50-pound bag. Use “stiff” mixtures for deep patching, more fluid mixtures for resurfacing. Mix by slow speed drill mixer (250 rpm) or mortar mixer for 2 - 4 minutes to achieve a uniform consistency. Mix only as much material as will be applied within 15 minutes of mixing.

Placement may be by pump, screed, lute or hopper-gun spray. Distribute evenly and finish by trowel or broom. If required, to aid in finishing, dampen tools slightly with clean water, using a clean cloth to remove excess moisture after wetting and before tooling. Surfaces may also be misted lightly with clean water to overcome any “dry” spots. Maximum

workability is obtained immediately after placement. Do not overwork or re-temper. Do not wet repeatedly or thin excessively.

Do not apply at temperatures below 50°F (10°C) or when temperatures are expected to fall below 50°F (10°C) within 12 hours of installation, or before through-drying. Do not subject to freezing temperatures for 24 hours after installation. Drying and curing of **DECK-TOP 47** is affected by temperature, humidity and air movement. In hot or windy conditions, delay drying by applying water mist, wet burlap or plastic sheet. Materials should be kept from drying for at least 3 hours after application. After this brief moist curing period, not to exceed 24 hours, materials must be allowed to dry cure. Continued wet curing may result in reduced strength and adhesion, although intermittent wet exposures such as rain or occasional spillage will not negatively affect strength.

DECK-TOP 47 accepts light traffic in 12 - 24 hours. Heavy traffic should be avoided for 48 - 72 hours after installation.

Storage & Handling: KEEP FROM FREEZING. Store powders in dry area, off the floor or ground. **CAUTION!:** Powders contain cement, which may be injurious to eyes and skin. Powders contain free silica, which may cause occupational lung disease. **Refer to Material Safety Data Sheets supplied with this product for complete safety and handling information.** Wash thoroughly with soap and warm water immediately after use and before eating, drinking or smoking. In case of eye contact, flush with clean water for 15 minutes, and get medical attention if irritation persists. Keep tools wet and clean continuously. Product will adhere tenaciously and resist water once dried. Keep containers covered when not in use.

FOR COMMERCIAL AND INDUSTRIAL USE



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