

### Fast, Easy, No Odor, Do-it-Yourself Concrete Repair Kit

#### DESCRIPTION

SaniPatch is a non-hazardous, worry-free polyurethane cement. It is designed to permanently repair deteriorated, spalled or cracked concrete. SaniPatch protects floors from chemical deterioration, heavy abrasion, high impact and thermal cycling. It can be applied over damp concrete and its fast cure property ensures minimal down time. This quick and easy patching system is supplied in pre-measured containers for error free mixing and application.

#### SYSTEM SPECIFICAITONS

SaniPatch is ideal for all concrete repair and restoration applications. It may be applied to interior as well as exterior applications where severe conditions are expected.

#### RECOMMENDED APPLICATIONS

- Meat, Poultry, and Dairy plants
- Bottling facilities
- Pharmaceutical Plants
- Commercial kitchens and restaurants
- Freezers and refrigerated storage
- Engineering process areas
- Heavy duty traffic and plant floors

#### FEATRUES / BENEFITS

- Easy One Step Installation
- Solvent free and no odor
- Can be installed over damp concrete
- Extremely high bond strength
- Unaffected by thermal shock, service range from -50 to 235° F.
- No priming or sealing necessary

#### PHYSICAL PROPERTIES

Compressive Strength	
ASTM C579	8,500 psi
Tensile Strength	
ASTM C307	1,250 psi
Resistance to Fungi Growth	
Impact Resistance	Pass rating of one
ASTM D2794	No visible damage or deterioration at min. 160 in pounds
Flexural Strength	
ASTM C580	2,150 psi
Abrasion Resistance	
ASTM D4060 @ 1000 Cycles	.07 grams lost
Adhesion	
ASTM D4541	400 psi, 100% concrete Failure
Water Absorption	
ASTM C413	<0.1%

#### SURFACE PREPARATION

Remember, preparation is the most important step of any installation. We recommend that the repair area be profiled by mechanical means. This can be accomplished by Shotblasting, scarification, etc. to ensure a proper bond. If this preparation method is not available, remove loose or deteriorated concrete and ensure substrate is free of grease, oils, coatings, dust, and other bond inhibiting contaminants. For areas subject to heavy traffic or water submersion it is recommended that the edges of the area are "key jointed" or "grooved" in a "V" or steep angle at least 1/2" deep to provide an anchor for the flooring material.

This provides a finished edge that prevents contaminants, water, etc from getting underneath the repair. This process is also recommended for control joints, cracks and areas around drains. If surface is wet, remove excess water so that concrete is only damp. For aesthetics, tape may be applied at the perimeter of the repair area for a clean edge finish.

## **MIXING AND APPLICATION INSTRUCTIONS**

Wear protective gloves and eye protection. Be sure to prepare all areas to be repaired before you begin to mix patch material. The working time for the blended material is approximately 15 minutes at 72 deg. F.

Remove all three components from the SaniPatch 5-gallon pail. Pour the entire contents of both Part 1 and Part 2 into the pail. Blend with a low speed  $\frac{1}{2}$  inch drill and "jiffy" style mixing paddle. While continuing to mix, slowly add the Part 3 (aggregate) to the liquids. Blend until all aggregate has been evenly combined with the liquids to form a homogenous lump free mixture.

Immediately pour the appropriate amount of blended material into the area(s) to be repaired. If more than one area is being repaired, pre-pour each area first. This will ensure an appropriate amount of working time as the material will "set-up" faster in the pail than on the floor.

Use a cement trowel to compact and level the patch material to the desired thickness. Remove perimeter tape (if applied).

## **COVERAGE RATES**

SaniPatch is supplied as a 10 square foot kit. The 30# kit yields approximately 10 square feet at  $\frac{1}{4}$ " thickness and 7 square feet at  $\frac{3}{8}$ " thickness. SaniPatch may be applied thicker (up to 2") though this will significantly decrease coverage. Coverage rates may also vary based on substrate surface texture.

## **CURE TIME**

SaniPatch sets up in only one hour and is ready for foot traffic in just 4 hours. The area can be returned to full service (forklifts and pallet jacks) after just 6 hours at 72 degrees. **Temperature has to be above freezing.**