



## ***RAPID REPAIR***

### ***Rapid Concrete Slab Repair***

#### **Product Description**

**Rapid Repair** is a very rapid set, high strength ultra low viscosity concrete repair material. This two part hybrid Urethane system is designed for rapidly rebuilding deeply spalled or damaged concrete surfaces, broken control joints and repairing damaged concrete rapidly, even in cold conditions.

**Heavy Loads In 10 to 15 Minutes:** Rapid Repair repairs are put back in service in minutes after the installation is made.

Rapid Repair is intended for use in damaged concrete, from parking decks, driveways, and airfields to control joints or warehouse spalls. This product is especially useful in these areas where "Down-time" is limited and a facility must operate around the clock. Rapid Repair provides critical crack repair while providing same day overlay repairs.

**Unique Characteristics:** Rapid Repair is very low in viscosity allowing the product to deeply penetrate into the concrete better than epoxy and does not become brittle.

**Below Zero:** The product is unique in that it can repair spalls of most any size at below zero temperatures.

Rapid Repair is intended to be extremely fast setting, reducing working time, man hours and down-time. Traffic can resume in as little as 10 minutes.

Rapid Repair is ideal for damage repair to concrete surfaces that will be coated and/or overlaid. The product can be ground smooth and become *almost invisible* when properly coated.

#### **Warehouse Advantages – Rapid Repair**

- SATISFIES OSHA FLOOR FACILITY SAFETY AND SURFACE CONDITIONS FOR FORK LIFT OPERATORS.
- RAPID FLOOR REPAIRS REDUCE DROPPED FORK TRUCK LOADS.
- SAVES BEARINGS AND WHEELS ON ELECTRIC PALLET JACKS AND COLD STORAGE ELECTRIC LIFTS.
- INCREASE PRODUCTIVITY BY PROVIDING SMOOTH OPERATING SURFACES AT ANY TEMPERATURE.

**Rapid Repair Grout:** Rapid Repair can be used as a grout. Use equal parts of A and B mixed together. Add this one part of mixed product to two parts of sand. Sand filler should be of low moisture content. Grit sizes from 30 to 60. Pea gravel or # 10 grit sand can be used on very large cracks or spalls.

#### **Advantages**

- SET TIME APPROXIMATELY 2 TO 4 MINUTES
- 15 MINUTE BACK-IN-SERVICE TIME
- SELF-PRIMING
- VERY HIGH IMPACT RESISTANCE
- APPLIED IN VERY COLD APPLICATIONS
- VERY LOW VISCOSITY
- BUILDS HIGH STRENGTH BOND IN MINUTES
- NON-BRITTLE
- CONVENIENT 1:1 MIX RATIO
- SAVES MAN HOURS SAVES DOWN-TIME
- HIGHLY FUEL & CHEMICAL RESISTANCE
- LONG TERM DURABILITY
- MEETS USDA REQUIREMENTS
- PROVIDES SMOOTH WORKING SURFACE FOR FORK LIFTS
- SAVES MONEY, LIFT BEARINGS & WHEELS

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#### Uses

- ALL CONCRETE SPALL/DAMAGE REPAIR
- REBUILDING CONTROL JOINTS, FLOOR REPAIR
- PREPARING FLOORS FOR OVERLAYS
- SHALLOW SPALLS ON WAREHOUSE FLOORS & BRIDGE DECKS
- SPALLS AND CRACK REPAIRS IN FORK LIFT TRAFFIC AREAS
- FLOOR POLISHING PREPARATION
- FILL & REPAIR SPALLS BEFORE COATING

#### General Physical Characteristics

Non-Volatile	60%
Shelf Life	1 year
Hardness ASTM D2240 Shore D	70
Mix Ratio	1:1
Tack Free ASTM D2471	4-5 minutes
Tensile ASTM D412	4500, filled
Tear Strength, pli ASTM 624-C	560
Gel Times	3 min. @ 75°F
Elongation ASTM D124	3.3%
Processing Temperature	70°F
Viscosity@ 25°C cps, mixed	30 cps

**Preparation:** Concrete must have a minimum 28-day cure prior to application. Clean the joint area to be injected. The area must be dry. Clean the surface and remove all unsound concrete, dust and debris. Prepare surface using a twisted wire wheel for spalls. Cut perimeter of damage with dry diamond blade.

**Application:** Dispense through dual cartridges and static mixer.

Work the repair area quickly. Screed to finished grade and allow to set. For better finished repair surface, pour grout mix slightly high above the finished grade. Allow to set and grind using a grinder fitted with a fine grit Zec wheel. Work in circular motion to grind/smooth to finished grade.

Seal the surface using mixed product neat with no sand.

**First Time Use:** This is a very fast set product, it is advisable to test this product

before using it in an application. Become familiar with how this product works.

**Limitations:** Do not use on wet surfaces or expose part A to moisture. This product is moisture sensitive and should not be applied to wet surfaces. \* Product will bond damaged slabs together and may stop movement. Not intended for use where substrate movement is required. *Hot conditions:* the product will be considerably faster in warm or hot conditions and slower in cold conditions. Do not use product that is hot. Keep out of direct sunlight and store the product kits on wood pallets at room temperature. *Pre-condition* product for use at cold temperatures or to slow product set time keep product cold.

**Packaging:** double tube sets, two-gallon kits.

**VOC Content:** A = 2.5 lbs/gal, B = 4.43 lbs/gal

**Pot Life:** Two minutes

**Set Time:** Three to four minutes and fifteen minutes for high strength development, final cure 24 hours.

This product is for use by professional applicators only.

Wear Protective Clothing

Read MSDS before using this product.

DOT/Flash Point – Non-flammable Liquid  
Classification not regulated.