

# Technical Data Sheet...Crack Fill

# One Day Floors

## Product Description:

One Day Floors Crack Fill is a very rapid set, high strength ultra low viscosity concrete repair material. This two part Urethane/polyurea 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:** One Day Floors Crack Fill repairs are put back in service in minutes after the installation is made.

The One Day Floors Crack Fill is intended for use in damaged concrete, from parking decks 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.

## Unique Characteristics:

Crack Fill is very low in viscosity allowing the product to deeply penetrate and "nano-lock" 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.

The Crack Fill is intended to be extremely fast setting, reducing working time, man hours and down-time. Traffic can resume in as little as 10-15 minutes.

Crack Fill is ideal for damage repair to concrete surfaces that will be coated. The product can be ground smooth and become almost invisible when properly coated.

## Warehouse Advantages – Crack Fill

- 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.

## Grout:

One Day Floors Crack Fill 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 DRY, 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
- 10 to 15 minute back-in-service time
- Self-priming
- Sano-locks into concrete
- Very high impact resistance
- Applied in 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
- Saves money, lift bearings & wheels

## Uses:

- All concrete spall/damage repair
- Rebuilding control joints, floor repair
- Knitting cracked concrete with rebar
- Shallow spalls on warehouse floors & bridge decks
- Spalls and crack repairs in fork lift traffic areas
- Grade matching
- Fill & repair spalls before coating

## General Physical Characteristics Solids:

Solids.....	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.....	2 min. @ 75°F
Elongation ASTM D124.....	8%
Processing Temperature.....	70°F
Viscosity@ 25°C cps, mixed.....	20

**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 dry diamond blade or a twisted wire wheel for spalls. Cut perimeter of damage with dry diamond blade.

**Application:**

Mix Crack Fill at a 1:1 ratio. Use a speed mixer, jiffy mixer or other multi blade mechanical mixer only. No paddle mixers. Mix part A and B mechanically at high speed for approximately 30 seconds. Blend mixed product into sand quickly. Mix product and sand for another 30 seconds and immediately pour into the prepared applications area. Work into 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.

**Application with pre-placement of sand:**

Prepare the area and depending the depth, place the select sand in the repair. If the repair is deep work in layers adding sand as product is added. Work up to the finished grade and broadcast additional sand as the product floats on the surface of the placed sand. Grind off excess surface material after the product has set

**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 the product temperature for use at cold temperatures or to slow product set time keep product cold.

**Packaging:**

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, hard for traffic in about fifteen minutes, 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.

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NON-Warranty: The information herein is based upon the best information available at the time of printing. Data provided is intended for those having skill and ability to use products recommended in a safe and responsible manner. LIABILITY is limited to the cost of material proven to be defective. There is no warranty expressed or implied as related to any issue which is deemed to be a direct result of improper surface preparation or cleaning, application over concrete or cementitious surfaces which have not reached full cure, those having excessive rising moisture/vapor or hydrostatic pressure, application over surfaces which have previously been sealed without first testing for compatibility/adhesion, adverse water conditions, acts of God or acts of others, constant submersion in harsh environments, workmanship or applicator, or any other cause and effect which is not related to defective material.

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