



TDS

MSD QUICK CRACK FILLER

MSD QUICK CRACK FILLER is a 2-component urethane concrete repair product. Its low viscosity allows for deep substrate penetration resulting in permanent repair of sound and still concrete.

RECOMMENDED USES

Industrial repairing of spalled concrete, pop-outs, holes, and cracks

Note: This product is not intended for filling expansion joints.

APPLICATION

Surface Preparation:

It is imperative that the crack is thoroughly cleaned prior to filling with MSD QUICK CRACK FILLER. Use a wire brush to free any loose concrete or debris and a vacuum prior to application of crack filler.

Priming:

The material is self-priming.

Mixing:

The product has a 1:1 liquid mix ratio by volume. Mix the liquids (1/2 pint part A and 1/2 pint part B) for 15 seconds and immediately add the 1/2 gallon blended aggregate and remix. Due to a 1 - 3 minute cure time, ensure you do not mix too much product at once. Only mix what you are able to apply within the cure time window.

Application:

Immediately after the three components are mixed (product has a concise pot life), apply the material to the area to be repaired with a trowel or other suitable equipment. Finally, trow the floor to smooth the site and remove any excess material. Allow the fabric to cure for ten to twenty minutes before foot traffic. Allow the material to set for a thirty minutes to an hour before allowing heavy equipment traffic such as fork lifts.



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APPLICATION

Topcoat:

A topcoat is not required. However, it is perfectly fine to coat or overlay the patched area.

Limitations:

- Quick cure time requires working with smaller patch areas. The typical working time after the three components are mixed according to directions is about 1-3 minutes.
- Not UV stable.
- Color may be impacted by high humidity or chemical exposure.
- The substrate temperature must be 50° F above the dew point.
- All new concrete must cure for at least 30 days before application.
- When applying the material in cold areas, ensure the surface is clean and dry. Also, it is best to keep the material and aggregate sand at average room temperature before mixing or use.

SPECIFICATIONS

Solids by Weight: Nearly 100% cured

VOC: 5.5 grams per liter cured

Color: The product will be grey in color once mixed and cured.

Recommended Thickness: MSD QUICK CRACK FILLER polymer patch kit can be applied at variable thicknesses.

Coverage: Coverage depends on the hole size or area to be repaired.

Packaging:

- Small patch kit consisting of a 1/2 pint of part A, 1/2 pint of part B, and 1/2 gallon (approx. 6.2#) of blended sand – packaged in gallon pail.
- Large patch Kit consisting of 1 pint part A, 1 pint part B, and 1 gallon (approx. 12.4#) of blended sand – packaged in a 2-gallon pail.

Mix Ratio: The liquid mixing ratio is 1:1 (by volume).

Shelf Life: 1 year (unopened)

Shore D Hardness: 71

Tensile Strength: 4,500 psi

Elongation: 5-6%

Impact Resistance: Excellent



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SPECIFICATIONS

Abrasion Resistance: Excellent

Compressive Strength: 4,400 (as a slurry with aggregate sand)

Bond Strength: Neat – 3800 psi w/sand 9000 psi

DOT Classification:

- Part B "not regulated"
- Part A "not regulated"

Viscosity: Less than 30cps typical

Product storage: Store the product in an area to bring the material to average room temperature before use. Persistent storage should be above 55-85°F.

Cure Schedule:

Pot Life (100 gram mass) - 1-5 minutes

Re-coat or Topcoat - 1 hour

Light Foot Traffic - 15-20 minutes

Full Cure (Heavy Traffic) - 1 hour

Application Temperature: 20-90°F

Lower temperatures will require additional cure time.