

LEGGARI

CRACK REPAIR

Technical Data Sheet

PRODUCT DESCRIPTION

Leggari Crack Repair is an extremely durable two-part Polyurethane crack repair product designed to fill small or large cracks in your concrete substrate. Use our Crack Repair before applying our Metallic Epoxy Floor System for a truly seamless floor. It's also a go-to product for repairing cracks on concrete to prevent further water damage, whether that be a patio, pool deck, or driveway. Our Crack Repair has superior bonding characteristics while maintaining flexibility for freeze/thaw cycles. It's a fast and easy application compared to other methods in the industry. It can be ground down flush within a couple of hours for coating applications; and can be installed in extreme temperatures (hot or cold).

ADVANTAGES

- Prevents water damage
- Flexible for freeze/thaw cycles
- Light foot traffic in 30 minutes
- Heavy traffic in 1 hour
- Self-Leveling – gel time 2-4 minutes at 70°F (21°C)
- Can grind in 30-90 minutes at 70°F (21°C)
- Self-mixing tip for easy use
- Superior Adhesion - tight bond to substrate without primer
- Low Viscosity - penetrates and levels on surfaces
- Tough - does not become brittle with age
- Easy to apply

APPLICATIONS

- Floors - cracked or spalled concrete
- Joints - broken corners or edges
- Before Coating - accepts most primers
- Patios
- Pool decks
- Driveways
- Any Concrete Substrate

COLOR AND PACKAGING

COLOR: Gray

PACKAGING: 1 600 ml Cartridge (300ml x 300 ml – Part A and B)
1 Case (12 600 ml cartridges)

SHELF LIFE

One year from date of manufacture when stored at ambient temperature in the original unopened container.

USAGE CHART FOR 1 CARTRIDGE

1/16" wide x 1/2" deep crack	60' - 90'
1/8" wide x 1/2" deep crack	40' - 50'
1/4" wide x 1/2" deep crack	20' - 35'
1/2" wide x 1/2" deep crack	10' - 15'

*Crack size will vary depending on prep and sand depth. Once purchased, you will receive a video explaining the entire crack repair process.

STORAGE

Store and ship this product in a clean, dry, low- humidity, shaded or covered environment at 60 to 90° F (15 to 32° C).

MIXING AND APPLICATION

SURFACE PREPARATION

- The concrete surface being repaired must be fully cured, structurally sound, clean and dry.
- Concrete joints must be free of all foreign matter, including old joint filler, asphalt, tar, paint, wax, rust, membranes and curing/parting compounds. Contaminants present can result in poor adhesion. Apply product only if surface temperature is 5° F (3° C) above dew point to avoid application over damp surface.
- Remove any surface contaminants before applying Crack Repair by grinding, sweeping, wire brushing or another appropriate method.
- Leggari Crack Repair is intended for crack and spall repair. It is not for joint filling or over areas which may expand or contract significantly.



Movement of the underlying concrete may cause cracking along the sides of the repair, or reflective cracks in a topcoat. Joints must be allowed freedom of movement.

- Crack Repair is not recommended for use on bare ground, dirt, grass or other non-structural surfaces.
- *For best results, refer to our full video tutorial and installation guidelines specific to your project prior to application.

PROCESSING

- If possible, precondition material to 70°F (21°C) before use.
- Do not dilute either resin or iso with any solvents.

APPLICATION

- Before application, protect adjacent surfaces with tape or other kinds of protective barriers. Corner and edge repairs require damming the areas with tape to keep the material in place during cure.
- Cracks in concrete may be deeper than they appear. The low viscosity of Crack Repair may allow material to fall through the surface, leaving gaps or holes visible. These gaps may be repaired by pushing sand into the gap and dispensing Crack Repair over it.
- Avoid very shallow or wide applications. It is recommended that the crack to be filled is at least twice as deep as it is wide for optimal adhesion and performance.
- Saw cuts and cracks wider than 1/8" (3 mm) may be filled with backer rod of appropriate diameter before dispensing Crack Repair.
- When recoating, abrade the surface of the previously installed Crack Repair to ensure adhesion.
- *For best results, refer to our full video tutorial and installation guidelines specific to your project prior to application.

CARTRIDGE APPLICATION

1. Use a 1-to-1 dispenser, pneumatic, hand operated, or battery-powered electric preferred (maximum of 40 psi for pneumatic).
2. Shake cartridges for at least 1 minute before use.
3. Remove the retaining nut and caps from the cartridge.
4. Keep the cartridge upright during assembly.
5. Place mix tube on cartridge nozzle, use retaining nut if necessary.
6. Keep cartridge upright and load into applicator gun.
7. Begin dispensing with cartridge upright to remove any trapped air.
8. Dispense initial material (20-40mL) outside the repair area and discard.
9. Dispense Remaining material onto the repair area. Avoid triggering on and off to keep the materials on ratio. If adjacent areas are uneven, fill to the lower height. Donot overfill. Change mix tubes if dispensing stops for 20 seconds. Avoid mixing newly dispensed material with partially cured material, as this may cause discoloration.
10. Topping sand may be added to refusal while the material is still tacky. After material sets, excess may be sanded to give a smooth finish for topcoat.

TYPICAL PROPERTIES @ 75°F (24°C)

VOC, %, ASTM D 2369	3.4
Viscosity, cps, ASTM D 4878, mixed	110
Service Temperature, °F (°C)	-22 to 170 (-30 to 85)
Gel time, min. at 70° (21° C)	2-4 minutes
Set Time min.	5-20 minutes (temperature dependent)
Adhesion to Concrete, psi, (MPa), ASTM 4541	≥ 800 (5.5) Substrate failure
Hardness, Shore D, ASTM D2240	75
Tensile Strength, psi, ASTM D412	5000
Elongation, %, ASTM D412	10
Tear Strength, pli (N/m), ASTM	250 (43)

PROCESSING PARAMETERS

Ratio by Volume, Resin : Iso	1:1
Ambient application temperature, °F (°C)	32 to 104 (0 to 40)
Application Equipment	Pneumatic or battery-powered electric cartridge dispenser with 6mm (1/4") x30 static mixer, or bulk mix with multi-blade mechanical mixer, or manually mix

DISCLAIMER

PRODUCT FAILURE DUE TO IMPROPER INSTALLATION OR DEVIATION FROM THE RECOMMENDED USES &/OR APPLICATIONS WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR/INSTALLER TO COVER THE PRODUCT COST, AND LABOR.

IN THE CASE OF A PRODUCT DEFECT BEING THE REASON, A JOINT WARRANTY WOULD COME INTO EFFECT. IF THIS WERE TO TAKE PLACE LEGGARI PRODUCTS LLC WOULD REPLACE THE PRODUCTS SOLD (NOT TOOLS & EQUIPMENT) AND THE CONTRACTOR OR INSTALLER WOULD COVER THE LABOR.

Prepared by:
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