



The Willamette Valley  
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Partnering through service,  
innovation, and integrity

# FastPatch DPR-MTR

## Micro-trench Reinstatement

### DESCRIPTION

FastPatch DPR MTR is an easy-to-apply, durable reinstatement material. It is supplied in bulk containers for rapid deployment. It is a polymer binder based on a blend of recycled and renewable materials designed to be installed in clean, dry, and sound areas. There are color options of Gray, Black, and Tan; topping sand can be applied to provide a textured surface. It can be applied in warm conditions, or in cooler conditions with the aid of FastPatch Kicker accelerator, to form a fast return-to-service reinstatement material.

### WHERE TO USE

- **Micro-Trenches** – roadways, joints
- **Repair Area** – holes, walkways, broken areas
- **Warehouses** – floors, spalls, loading areas
- **Sidewalks** – trip hazards, walkways

### FEATURES AND BENEFITS

- **Easy-to-Apply** – mix, pour, & finish in minutes
- **Lasting Repair** – excellent adhesion & absorbs impact
- **Open to Traffic Quickly** – reduce traffic interruptions
- **Recycled & Renewable Materials** – sustainable sources
- **Odorless** – 100% solids & suitable for indoor applications
- **Freeze-Thaw Resistant** – long term repair for colder climates

### PACKAGING

50-Gallon (190-Liter) Drum  
250-Gallon (946-Liter) Tote

### COLORS

Gray, Black, Tan

### RATIO

1:1.6 by volume  
(binder:aggregate\*)

### SHELF LIFE

1 year when properly stored.

### STORAGE

Store and ship this product in clean, dry, low-humidity, and shaded or covered environments between 50 and 90°F (10-32°C)

\*depending on application method

## TYPICAL PROPERTIES

<b>VOC, lbs/gal (g/L), ASTM D 2369</b>	0
<b>Service Temperature, °F (°C)</b>	-30 to 170 (-34 to 77)
<b>Work-life minutes, 70°F (21°C)</b>	16
<b>Adhesion, psi, ASTM D 7234</b>	>200; 100% substrate failure
<b>Application Temp, °F (°C)</b>	40 to 105 (4 to 40)
<b>Application Method</b>	Mechanical mix & pour
<b>Recommended Thickness</b>	>1/4 in. (0.635 cm) Maximum 4" per application.

## APPLICATION INSTRUCTIONS

### PAVEMENT PREPARATION

1. Pavement must be structurally sound (200psi or greater according to ASTM D7234), clean (ASTM D4258), and dry (less than 5%, ASTM E1907).
2. Moisture or oil in areas will result in poor adhesion. Apply product only if surface is dry and ambient temperature is 5° F (3° C) above dew point. Product may expand if it comes in contact with soil due to presence of moisture.
3. Remove all contaminants (e.g., oil, dust, sand, moisture) from surface for proper adhesion.
4. For maximum adhesion, profile surface according to ICRI Guide 03732, to a minimum of CSP 3, by abrasive blasting.
5. Use a minimum 120 PSI continuously dry compressed air to blow out loose debris, dirt and dust prior to applying product. Moist pavement can be torched dry. If moisture returns immediately after torching, stop and do not install in this area.
6. Use a steel bristle brush to remove dirt on vertical and horizontal pavement surfaces. Use a minimum 120 PSI continuously dry compressed air to blow out repair area, prior to applying product.
7. As necessary, plug all gaps or joints surrounding the repair area with foam.
8. Protect surrounding surfaces to the repair area with tape to prevent contamination.
9. Priming all surfaces with POLYPrime is recommended to strengthen bonding surface and maximize adhesion. Refer to primer TDS sheets for detailed instructions.
10. Honor all moving joints or moving cracks in the area by saw-cutting after FastPatch has cured or installing form board during application.

### OTHER MATERIALS

1. Previously installed polymer materials must be tested to determine best method of preparation for acceptable adhesion. Typically, methods will include solvent cleaning, abrading, and vacuuming surfaces.
2. Avoid installing FastPatch on bare ground, dirt, grass or other non- structural surfaces. Applications surfaces must be dry.

### PROCESSING

1. Precondition all materials to 70°F (21°C) for 24 hours before use and store between 60- 90° F (15-32° C).
2. For colder temperature conditions, use FastPatch Kicker to shorten cure time.
3. Check that surfaces are ready for application before mixing and applying FastPatch.
4. Protect surfaces around the area with tape to prevent contamination of surrounding surface.
5. Place mixing station a short distance from the application area.
6. Wear gloves and safety glasses while mixing and applying material.
7. Follow the proper start-up procedure for operating the meter. Refer to manufacturer's recommendations.
8. Test the operation of meter and verify set time of FastPatch by dispensing 400ml in a cup and recording set time before beginning application.
9. \*Test the operation of the aggregate mixer.

### APPLICATION

1. Load the aggregate mixer with FastPatch Aggregate and turn on mixer at a low RPM.
2. Add Kicker to the mixer. Refer to manufacturer's recommendation.
3. Dispense FastPatch at the recommended 1:1.6 of equal Part A & Part B volume to Aggregate volume, ratio into the mixer while running at a low RPM. Volume ratio can vary according to the needs of the application.
4. Only mix a batch volume that can be deployed in less than the work-life of FastPatch. Typical volumes are between 6-12 gallons.
5. Once dispensing is complete, run mixer for 1-2 minutes or until mixture is uniform in appearance. Visually inspect the consistency and don't install if it appears to be incorrect.
6. Turn off mixer and unload into a hopper or similar deployment equipment for placing FastPatch into application area.
7. Install FastPatch at an even, steady rate that matches the dispensing rate of the deployment device. Install FastPatch in less than 4" (10 cm) layers and repeat the application if thicker layers are required.
8. Install FastPatch to the lowest surrounding elevation and when applying on grade of uneven surfaces more time, handling, and aggregate may be required to install material. Test different method to identify the most efficient and effective technique for the application area.
9. Apply Topping Sand to surface after 10 minutes or when more than 50% remains on the surface and doesn't sink into the material.
10. Typical return-to-traffic time is 1-hour at 70°F (21°C). Colder temperatures will slow cure. Warmer temperatures will speed cure.
11. Honor all joints by sawcutting or installing form board before installing product.
12. In areas where material comes in contact with different materials such as concrete, asphalt, sealant, etc., movement or thermal cycling may negatively affect adhesion and hairline cracks may form in surrounding material or at the bond interface. If desired, a sealant may be applied over the material to seal these areas.
13. SKID RESISTANCE: It is the responsibility of the Applicator to ensure product meets minimum skid resistance requirements. Refer to the agency or end-user friction management policy or specifications to determine minimum skid resistance and test method requirements. Aggregate (Sand, pumice, flint) can be added typically at the gel stage or Fastpatch can be ground, sanded or abraded to achieve any necessary skid resistant texture.

### CLEANING & MAINTENANCE

Clean equipment with POLYQuik® Cleaner or acetone immediately after use. Apply grease to tools or other areas to prevent bonding so it can be removed after it cures. Cured material that is well bonded must be removed mechanically.

## HEALTH AND SAFETY

Before handling, you should become familiar with the Safety Data Sheet (SDS) regarding the risks and safe use of this product. To obtain an SDS, please call 800-333-9826 or send an email to: [sdswilvaco.com](mailto:sdswilvaco.com).

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