



Willamette Valley Company

www.wilvaco.com

www.polyquik.com

800.333.9826

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

VOC, lbs/gal (g/L), ASTM D 2369	0
Service Temperature, °F (°C)	-30 to 170 (-34 to 77)
Work-life minutes, 70°F (21°C)	16
Adhesion, psi, ASTM D 7234	>200; 100% substrate failure
Application Temp, °F (°C)	40 to 105 (4 to 40)
Application Method	Mechanical mix & pour
Recommended Thickness	>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 topically 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: msds@wilvaco.com.

DISCLAIMER OF WARRANTY

TEST RESULTS ARE TO BE CONSIDERED AS REPRESENTATIVE OF CURRENT PRODUCTION AND SHOULD NOT BE TREATED AS SPECIFICATIONS. WHILE ALL THE INFORMATION PRESENTED IN THIS DOCUMENT IS BELIEVED TO BE RELIABLE AND TO REPRESENT THE BEST AVAILABLE DATA ON THESE PRODUCTS, NO GUARANTEE, WARRANTY, OR REPRESENTATION IS MADE, INTENDED, OR IMPLIED AS TO THE CORRECTNESS OR SUFFICIENCY OF ANY INFORMATION, OR AS TO THE SUITABILITY OF ANY CHEMICAL COMPOUNDS FOR ANY PARTICULAR USE, OR THAT ANY CHEMICAL COMPOUNDS OR USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT. EACH USER SHOULD CONDUCT A SUFFICIENT INVESTIGATION TO ESTABLISH THE SUITABILITY OF ANY PRODUCT FOR ITS INTENDED USE. PROPER APPLICATION IS THE RESPONSIBILITY OF THE USER. AS WITH ANY PRODUCT THE USE OF THIS PRODUCT IN A GIVEN APPLICATION MUST BE TESTED (INCLUDING BUT NOT LIMITED TO FIELD TESTING) IN ADVANCE BY THE USER TO DETERMINE SUITABILITY. TESTING IS THE REQUIREMENT OF BOTH ENGINEERS AND CONTRACTORS ALIKE. WVC DO NOT WARRANT THE APPLICATION UNDER ANY OR ALL CIRCUMSTANCES.

WILLAMETTE VALLEY COMPANY
www.wilvaco.com info@wilvaco.com

DIVISIONS WESTERN

DIVISION

1075 Arrowsmith Street
PO Box 2280
Eugene, OR 97402
Tel 541.484.9621
www.POLYQUIK.com
www.SPIKEFAST.com

EASTERN DIVISION

6662 Marbut Road
Lithonia, GA 30058
Tel 888.878.9826

MIDWEST DIVISION

1549 Hwy 2
Two Harbors, MN 55616
Tel 218.834.3922

PRECISION TECHNOLOGIES DIVISION

675 McKinley Street
Eugene, OR 97402
Tel 541.484.2368
www.pre-tec.com

SOUTHERN DIVISION

100 Dixie Mae Drive
PO Box 4450
Pineville, Louisiana 71361
Tel 318.640.5077

SUBSIDIARIES

ECLECTIC PRODUCTS INC.

Corporate Office
1075 Arrowsmith Street
Eugene, OR 97402
Tel 541.284.4667
www.eclecticproducts.com

IDAHO MILL & GRAIN

445 North 430 West Hwy
PO Box 188
Malad City, Idaho 83252
Tel 208.766.2206

TAPEL WILLAMETTE LTD. S.A.

Av. Estero La Posada 3625
Parque Industrial Coronel
Coronel, Chile
Tel 011.56.41.2.928.100
www.tapel.cl



W07-R&D-TDS-025
REV 01
Revision Date: March 2016