



SUBMITTAL · REV 1.0  
June 29, 2026

## PRODUCT SUBMITTAL PACKAGE

# Perma-Patch Regular Mix

High-Performance Permanent Cold-Mix Asphalt Repair Material

**Submitted by:** Perma-Patch, LLC · 6123 Oakleaf Ave, Baltimore, MD 21215

**Prepared for:** (reviewing agency / engineer)

**Product contact:** Drew Taylor, Director of Products · (800) 847-5744

Permanent pothole and pavement repair · Places in any season, including cold and damp conditions · No heating, mixing, primer, or tack coat · Open to traffic immediately after compaction



June 29, 2026

**To:**

**Re: Product Submittal — Perma-Patch Regular Mix Cold-Mix Asphalt Repair**

To Whom It May Concern:

Perma-Patch, LLC is pleased to submit Perma-Patch Regular Mix for your review and approval. Perma-Patch Regular Mix is a polymer-modified, cold-applied asphalt patching material engineered for the permanent repair of asphalt and concrete pavements. It is supplied ready to use — no heating, mixing, primer, or tack coat is required — may be placed in cold and damp conditions, and may be opened to traffic immediately after compaction.

This package documents the product's description, physical and application properties, and independent laboratory performance results. All performance testing referenced herein was conducted by an independent, AASHTO-accredited laboratory on current production material.

The following items are enclosed:

- Product description and intended use
- Independent laboratory performance summary
- Specification alignment for high-performance patching
- Application, installation, and physical property data
- Quality control program
- Safety and regulatory information (Safety Data Sheet available on request)

We welcome the opportunity to provide a project- or specification-specific conformance statement, additional test data, the Safety Data Sheet, or product samples upon request. Please contact us with any questions.

Respectfully submitted,

**Drew Taylor**

Director of Products · Perma-Patch, LLC  
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CONTENTS

# Table of Contents

Perma-Patch Regular Mix · Product Submittal Package · Revision 1.0

|   |                                                      |   |
|---|------------------------------------------------------|---|
| 1 | Product Description & Intended Use                   | 4 |
| 2 | Performance Summary (Independent Laboratory Testing) | 5 |
| 3 | Specification Alignment — High-Performance Patching  | 6 |
| 4 | Application & Installation                           | 7 |
| 5 | Physical Properties, Packaging & Storage             | 8 |
| 6 | Quality Control Program                              | 8 |
| 7 | Safety, Health & Regulatory                          | 9 |
| 8 | Manufacturer Profile & Contact                       | 9 |

## About this submittal

This package presents the current production formulation of Perma-Patch Regular Mix and its independently measured performance. Where an agency or project specification governs, Perma-Patch can issue a line-by-line conformance statement mapped to that specification on request.

## SECTION 1

# Product Description & Intended Use

Perma-Patch Regular Mix is a polymer-modified, cold-applied asphalt patching material for the permanent repair of asphalt and concrete pavements. It is supplied ready to use — no heating, mixing, primer, or tack coat is required. Once placed and compacted, it forms a firm, durable, long-lasting repair and may be opened to traffic immediately.

**2,350**

MARSHALL STABILITY, LBF

**85**

TENSILE STRENGTH RATIO (T 283)

**94.0**

IDEAL-CT INDEX (D 8225)

**100%**

PARTICLE COATING (T 195)

## Recommended applications

- Permanent pothole and pavement repair on roadways, parking areas, and intersections
- Utility cuts, edge repairs, and transition patching on asphalt or concrete
- High-stress turning, braking, and intersection areas where conventional cold patch displaces
- Repairs required in cold or adverse weather, including damp holes

## Key performance advantages

- **Permanent repair** — develops a firm, durable patch rather than a temporary fill.
- **Immediate trafficking** — open to traffic right after compaction; the repair continues to firm under traffic.
- **All-weather placement** — workable from -20°F to 120°F, including cold and damp conditions; bonds in damp holes with no primer or tack coat.
- **No special equipment** — place directly from the bag and compact with a hand tamp, plate, or vehicle tire.
- **Strong adhesion & moisture resistance** — 100% particle coating with no stripping in boiling-water or 20,000-pass wheel-tracking testing.
- **Clean handling** — low odor.

## SECTION 2

# Performance Summary

Independent laboratory testing · current production formulation

| Property                                          | Test method              | Result                           |
|---------------------------------------------------|--------------------------|----------------------------------|
| Asphalt cement content                            | AASHTO T 308             | 5.5%                             |
| Aggregate gradation                               | AASHTO T 27 / ASTM D5444 | See table below                  |
| Maximum theoretical specific gravity ( $G_{mm}$ ) | AASHTO T 209             | 2.583 (161.2 pcf)                |
| Bulk specific gravity ( $G_{mb}$ )                | AASHTO T 166             | 2.274                            |
| Air voids                                         | AASHTO T 269             | 12.0%                            |
| Marshall stability                                | AASHTO T 245             | 2,350 lbf                        |
| Marshall flow                                     | AASHTO T 245             | 0.10 in                          |
| Tensile strength ratio (moisture)                 | AASHTO T 283             | 85                               |
| Boiling-water stripping                           | Tex-530-C                | No stripping — Pass              |
| Rutting resistance (Hamburg, 20,000 passes)       | AASHTO T 324             | 2.9 mm avg.; SIP > 50,000 passes |
| Cracking resistance (IDEAL-CT index)              | ASTM D 8225              | 94.0                             |
| Workability at $4 \pm 1^\circ\text{C}$            | AASHTO TP-43             | Pass                             |
| Degree of particle coating                        | AASHTO T 195             | 100%                             |

## Aggregate gradation — percent passing (AASHTO T 27 / ASTM D5444)

| Sieve     | 3/8" | #4 | #8 | #16 | #30 | #50 | #100 | #200 |
|-----------|------|----|----|-----|-----|-----|------|------|
| % Passing | 100  | 91 | 50 | 29  | 20  | 14  | 10   | 6.9  |

### Interpretation

Perma-Patch Regular Mix delivers solid cured stability (2,350 lbf), strong moisture resistance (TSR 85, with no stripping under either boiling-water or 20,000-pass Hamburg wheel-tracking testing and a stripping inflection point beyond 50,000 passes), excellent cracking resistance (IDEAL-CT 94.0), and complete aggregate coating (T 195, 100%) — the combination that supports durable, permanent, moisture-resistant repairs.

Testing performed by an independent, AASHTO-accredited laboratory using production material and standard AASHTO and ASTM methods. Results reflect laboratory-prepared specimens; field results vary with substrate preparation, compaction, and conditions. Complete test reports are available upon request.

SECTION 3

# Specification Alignment

High-performance / permanent patching criteria

The criteria below reflect the requirements agencies commonly apply to high-performance, manufacturer-packaged permanent patching materials. Perma-Patch Regular Mix meets each one.

| Criterion                                              | Result                 | Status  |
|--------------------------------------------------------|------------------------|---------|
| Manufacturer pre-bagged, ready to place                | Packaged cold mix      | ✓ Meets |
| Places in damp holes; no primer or tack coat           | Bonds to damp surfaces | ✓ Meets |
| No special equipment or heating; ambient placement     | Yes                    | ✓ Meets |
| No stripping under boiling-water test                  | Pass (Tex-530-C)       | ✓ Meets |
| ≥ 90% aggregate coating (AASHTO T 195)                 | 100%                   | ✓ Meets |
| ≤ 8% passing No. 200 (AASHTO T 27)                     | 6.9%                   | ✓ Meets |
| Resistant to moisture-induced damage (TSR)             | 85                     | ✓ Meets |
| No stripping inflection point (Hamburg, 20,000 passes) | Pass (SIP > 50,000)    | ✓ Meets |
| Workable across a wide temperature range               | -20°F to 120°F         | ✓ Meets |
| Independent AASHTO-accredited laboratory testing       | Yes                    | ✓ Meets |
| Permanent repair                                       | Yes                    | ✓ Meets |

## Conformance statement available

Perma-Patch can provide a line-by-line conformance statement mapped to a specific agency or project specification, along with supporting test reports, upon request.

## SECTION 4

## Application & Installation

No primer, tack coat, heating, or special equipment required

**All-weather placement.** Perma-Patch Regular Mix may be placed in cold and adverse conditions, from -20°F to 120°F, including damp repairs. Store and dispense per Section 5.

- 1 Prepare the repair.** Remove loose debris, water, and broken material; square up edges where practical. The hole does not need to be fully dry, and no primer or tack coat is required.
- 2 Place the material.** Apply directly from the bag, slightly overfilling (about 0.5–1.0 in above grade) to allow for compaction. For repairs deeper than ~2–3 in., place and compact in lifts, completing each lift before placing the next.
- 3 Compact thoroughly.** Use a hand tamp, plate compactor, vibratory roller, or vehicle tire until the surface is tight and slightly above the surrounding pavement.
- 4 Open to traffic immediately.** The repair continues to firm up under traffic.

## SECTION 5

# Physical Properties, Packaging & Storage

|                             |                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------|
| Physical state              | <b>Solid, granular</b>                                                                                |
| Appearance / color          | <b>Dark, asphalt-coated aggregate</b>                                                                 |
| Material type               | <b>Polymer-modified cold-mix asphalt</b>                                                              |
| Binder system               | <b>Polymer-modified asphalt with adhesion-promoting additive</b>                                      |
| Maximum theoretical density | <b>161.2 pcf (<math>G_{mm}</math> 2.583)</b>                                                          |
| Asphalt cement content      | <b>5.5%</b>                                                                                           |
| Air voids (compacted)       | <b>12.0%</b>                                                                                          |
| Workable temperature range  | <b>-20°F to 120°F</b>                                                                                 |
| Packaging                   | <b>30 and 50 lb pails; 50 and 60 lb bags; 2,000 lb supersacks</b>                                     |
| Shelf life                  | <b>2 years, unopened, stored properly</b>                                                             |
| Storage                     | <b>Store on pallets, off the ground, sealed; protect from standing water and prolonged direct sun</b> |
| Trafficking                 | <b>Immediately after compaction</b>                                                                   |

## SECTION 6

# Quality Control Program

Perma-Patch Regular Mix is manufactured under a documented quality-control program designed to deliver consistent, specification-ready material from lot to lot:

- Incoming aggregate is inspected for gradation and cleanliness before use.
- Asphalt cement content is verified by ignition-oven testing (AASHTO T 308).
- Gradation is monitored (AASHTO T 27) against an established target band.
- Binder and additive proportions are batched to formulation and recorded.
- Production lots are traceable, with retained samples and records.
- Finished product is periodically verified against the established performance baseline (Marshall stability and TSR) by an independent AASHTO-accredited laboratory.
- Quality practices are consistent with AASHTO R 18 laboratory and quality-management expectations.





SECTION 7

## Safety, Health & Regulatory

A Safety Data Sheet (SDS) compliant with the OSHA Hazard Communication Standard (HazCom 2024 / GHS) is maintained for Perma-Patch Regular Mix and is available upon request. The complete SDS governs all health, safety, and handling requirements.

- Handle in accordance with the SDS; use appropriate protective gloves and eye protection.
- Provide adequate ventilation when handling in confined areas.
- 24-hour emergency contact: Chemtrec 800-424-9300.

SECTION 8

## Manufacturer Profile & Contact

### Drew Taylor

Director of Products · Perma-Patch, LLC · (800) 847-5744 · pothole@permapatch.com

|                     |                                              |
|---------------------|----------------------------------------------|
| Manufacturer        | Perma-Patch, LLC                             |
| Headquarters        | 6123 Oakleaf Avenue, Baltimore, MD 21215     |
| Product line        | Cold-mix asphalt pavement repair materials   |
| Telephone           | (800) 847-5744                               |
| Email               | pothole@permapatch.com                       |
| Website             | permapatch.com · permapatch.com/where-to-buy |
| Independent testing | AASHTO-accredited laboratory                 |

### Available on request

Complete laboratory test reports, the Safety Data Sheet, a project- or specification-specific conformance statement, and product samples can be provided to support your evaluation and approval of Perma-Patch Regular Mix.

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