

PERMA-PATCH®
FOR THE ROAD AHEAD



SCAN FOR MORE



Pavement Sealing Solutions

PERMAPATCH.COM • (800) 847-5744 • POTHOLE@PERMAPATCH.COM

PERMA-PATCH®

FOR THE ROAD AHEAD



Premium Pavement & Crack Sealing Solutions

Perma-Patch has been manufacturing and selling pavement repair solutions for over 40 years. Our expanded product line now includes advanced crack sealants and pavement refinishers, designed to complement our proven pothole repair systems.

Perma-Patch's liquid solutions are engineered to improve efficiency, safety, and long-term pavement performance. 6690 ColdFuze™—available in Black and Gray—is the first cold-pour crack sealant to meet ASTM D6690 and C920 standards, delivering fast setup and increased productivity without the need for hot kettles. Black Fill and Gator-Aid® provide effective solutions for deeper cracks, alligator cracking, and surface deterioration, restoring pavement at a fraction of the cost of repaving. ColdFuze Flex™ is designed for high-movement and municipal applications, enabling crews to work more days of the year with faster startup and reduced equipment demands. Paired with the Drum Pump for controlled, efficient application, these solutions streamline repair operations while maximizing durability and performance. Below is a breakdown of these products by category and product number:

Crack Sealers

6690 ColdFuze™

PP-CF-B1: 1 Gallon Jug - Black
PP-CF-B55: 55 Gallon Drum - Black
PP-CF-G1: 1 Gallon Jug - Gray
PP-CF-G55: 55 Gallon Drum - Gray

ColdFuze Flex™

PP-CFF-1: 1 Gallon Jug
PP-CFF-5: 5 Gallon Pail
PP-CFF-55: 55 Gallon Drum

Hybrid Sealers

Black Fill®

PP-BF-5: 5 Gallon Pail
PP-BF-55: 55 Gallon Drum
PP-BF-275: 275 Gallon Tote

Gator-Aid®

PP-CF-GATOR5: 5 Gallon Pail

Equipment

Perma-Patch® Drum Pump

PP-CF-55PUMP: Pump Only

Starter Kits

*Includes (1) 55 Gallon Drum, Pump
Assembly, Hose, & Wand*

6690 ColdFuze™ Starter Kits

PP-CF-B55SK: Black Kit
PP-CF-G55SK: Gray Kit

ColdFuze Flex™ Starter Kit

PP-CFF-55SK



Crack Sealers

6690 ColdFuze™ - Pourable Crack Sealant

Product Numbers: PP-CF-B1, PP-CF-B55, PP-CF-G1, PP-CF-G55 (See Page 1 for more info)

6690 ColdFuze™ is a single-component, ready-to-use, ultra-low modulus, pourable elastomeric emulsion with a neutral cure. It is certified fuel resistant and exceeds the performance and durability of hot-applied ASTM D6690 sealants and conventional silicone, while providing a flexible, long-lasting seal with easy, self-leveling installation.

It is the only sealant that meets ASTM D6690 Types I, II, III and ASTM C920 standards. Available in black or gray.

ASTM D6690, C920 Physical Requirements

6690 ColdFuze™ Results

Cone Penetration, dmm, 25°C (D217), 90 max.....	35
Softening Point, °F (D36), 170 min.....	>400
Resilience, % (D5329-10), 60 min.....	Black: 68; Gray:64
Resilience <u>Oven-Aged</u> , % (D5329-10), 60 min - Type III.....	66
Bond Test, non-immersed, 3 Cycles at 50% Extension, -29°C (D5329-8).....	Pass
Bond Test, water-immersed, 3 Cycles at 50% Extension, -29°C (D5329-8) - Type III.....	Pass
Bond Test, non-immersed, 3 Cycles at 100% Extension, -29°C (D5329-8).....	Pass (ASTM D5893 Silicone)
Asphalt Compatibility (D5329-12).....	Pass
Flow, 93.3°C (D5329), 3 mm max.....	No Flow
Sieve Test (#8 Sieve), T59M, %.....	0.0
Flexibility, (D3111), °C.....	-34
Tensile Adhesion, (D5329), %.....	Black: 614.5; Gray: 680.6
Fuel Resistance, (D2939-25); No Penetration, Loss of Adhesion, or Re-Emulsification.....	Pass
Specific Gravity, 25°C.....	Black: 1.031; Gray: 1.299
Rheological Properties, (C639 Type I).....	Smooth & Level, No Bubbling
Extrusion Rate, mL/min (C1183A); ≥ 10.....	1,930
Hardness, Type 00 & A-2 Durometers, 23°C (C661, Use T1); 30 & 25 min.....	87 & 39
Effects of Heat Aging, 21 days, %, 70°C (C1246); 7 max.....	0.69; No Cracking or Chalking
Tack Free Time, hours (C679); 72 max.....	3
Skin-Over Time, at 25°C (77°F), 50% R.H., 60 mins max.....	20 minutes
Adhesion & Cohesion under cyclic movement, in2, (C719); 1.5 max.....	1.125
Adhesion in Peel, lbf (C794); 5 min.....	12.9 Dry; 9.6 Saturated
Adhesion in Peel, 200 hrs UV Exposure, lbf (C794); 5 min.....	16.7 Dry; 13.4 Saturated
Adhesion in Peel, % Bond Loss, (C794); 25 max.....	0.0 Dry; 0.0 Saturated
Stain and Color Change, (C510).....	No Visible Change
Effects of Accelerated Weathering, 250 hrs (C793); No Cracks; No Cracks on Bend.....	No Cracks; No Cracks
Effects of Accelerated Weathering, 5000 hrs (D5893); Bending @ -29°C.....	No flow, tackiness, oil like film, blister, voids, loss of rubber properties; No cracks on bend

Crack Sealers

ColdFuze Flex™ - Pourable Crack Sealant

Product Numbers: PP-CFF-1, PP-CFF-5, PP-CFF-55 (See Page 1 for more info)

ColdFuze Flex™ is a highly rubberized asphalt emulsion modified with plasticizers for increased flexibility. It is designed to seal cracks and joints up to 1" wide in asphalt and concrete. This cold-pour, fuel-resistant sealant delivers the performance of hot-applied asphalt-based sealants while remaining ready to use. Suitable for roadways, highways, parking lots, airports, athletic courts, driveways, walkways, and more.

Material Specifications

Weight per Gallon @ 77°F, ASTM D1010 (lbs).....	8.90 - 9.40
Nonvolatile %, ASTM D2939.....	65.00 +/- 1.00
Viscosity @ 77°F, ASTM D562 (Kreb's Stormer Unit).....	90-105
Penetration (0.1 mm), ASTM D5.....	< 50
Tensile Strength, ASTM D5893, DMS 6310.....	> 9.7 psi
Softening Point (°F), ASTM D36.....	200°F min

Requirements



Hybrid: Crack Sealer + Top Coat Refinisher

Black Fill® - Deep Crack Sealer & Top Coat Revitalizer

Product Numbers: PP-BF-5, PP-BF-55, PP-BF-275 (See Page 1 for more info)

Perma-Patch Black Fill is a combined crack filler and surface sealer. It is an asphaltic emulsion blend of mineral fillers, recycled shingles, plasticizers, and HDPE fibers, designed to fill wider cracks, repair alligatored and raveled areas, and provide a sealed wear surface in a single application.

It dries jet black and can be applied by roller for small jobs or by spray or squeegee equipment for larger applications. Ready to use on asphalt surfaces including driveways, streets, highways, parking lots, athletic courts, and walkways.

Material Specifications

Weight per Gallon (lbs).....	10.50 - 10.75
Viscosity @ 77°F, ASTM D562 (Kreb's Stormer Unit).....	90 - 100
Solids % by weight/volume.....	69.3/61.7
Penetration (0.1 mm), ASTM D5.....	< 50
Softening Point (°F), ASTM D36.....	> 300°F
Resistance to kerosene and water, ASTM D2939.....	no blistering, no re-emulsification
Safety Information (Zero VOC; Non-Flammable).....	See Safety Data Sheet (SDS)

Requirements

Hybrid: Crack Sealer + Top Coat Refinisher

Gator-Aid® - Mastic Filler for Alligator Paving

Product Numbers: PP-CF-GATOR5

Gator-Aid® is an asphaltic emulsion blend of mineral fillers, recycled shingles, ground rubber, and plasticizers, designed for repairing alligatoring and raveled areas. It can also be used to fill cracks greater than 1" wide in asphalt surfaces. It provides a cost-effective alternative to hot mix skin patching by eliminating the need for removal and replacement. Ready to use on asphalt surfaces including roadways, highways, parking lots, athletic courts, driveways, playgrounds, walkways, and running tracks.

Material Specifications

Weight per Gallon @ 77°F, ASTM D1010 (lbs).....	10.40 - 10.80
Nonvolatile %, ASTM D2939.....	67.00 - 70.00
Viscosity @ 77°F, ASTM D562 (Kreb's Stormer Unit).....	125 min
Penetration (0.1 mm), ASTM D5.....	< 50
Resistance to kerosene and water, ASTM D2939.....	no blistering, no re-emulsification
Flammability.....	nonflammable

Requirements



Perma-Patch® Drum Pump

Our Drum Pump is engineered and designed to fit open lid 55 gallon drums. This pump system is engineered to circulate product within the drum for proper mix before pumping through application wand. The Perma-Patch® Drum Pump is designed specifically to pump cold pour crack sealers such as 6690 ColdFuze™ and ColdFuze Flex™. This system delivers consistent, controlled material flow for uniform placement and repeatable results. Improve operational efficiency with reduced material waste, increased placement accuracy, and enhanced safety. Only 10 minutes of preparation and clean-up required.

Product Information Data Chart

Product #	Product Name	Volume	Coverage per Gallon	Application Methods	Clean Up Method	Dry Time	Color
PP-BF-5	Black Fill®	5 Gallon	Up to 20 sq ft at ¼" depth	Squeegee/Spray	Water	1-2 hours*	Black
PP-BF-55	Black Fill®	55 Gallon	Up to 20 sq ft at ¼" depth	Squeegee/Spray	Water	1-2 hours*	Black
PP-BF-275	Black Fill®	275 Gallon	Up to 20 sq ft at ¼" depth	Squeegee/Spray	Water	1-2 hours*	Black
PP-CF-B1	6690 ColdFuze™ Black	1 Gallon	Up to 100 linear feet of ½" x ½" depth	Applicator Tip	Water	30 min	Black
PP-CF-B55	6690 ColdFuze™ Black	55 Gallon	Up to 100 linear feet of ½" x ½" depth	Drum Pump	Water	30 min	Black
PP-CF-G1	6690 ColdFuze™ Gray	1 Gallon	Up to 100 linear feet of ½" x ½" depth	Applicator Tip	Water	30 min	Gray
PP-CF-G55	6690 ColdFuze™ Gray	55 Gallon	Up to 100 linear feet of ½" x ½" depth	Drum Pump	Water	30 min	Gray
PP-CFF-1	ColdFuze Flex™	1 Gallon	Up to 80 linear feet of ½" x ½" depth	Applicator Tip	Water	30 min	Black
PP-CFF-55	ColdFuze Flex™	55 Gallon	Up to 80 linear feet of ½" x ½" depth	Drum Pump	Water	30 min	Black
PP-CF-GATOR5	Gator-Aid®	5 Gallon	Up to 20 sq ft at ¼" depth	Squeegee	Water	4 hours*	Black

*Note: For parking lot or driveway applications, no traffic for minimum of 24 hours.

Cold Pour vs. Hot Pour Crack Sealer Comparison



VS



Cold Pour		Hot Pour
One component ready to use, circulate 5 min. when using drum pump.	Preparation for Use	Solid must be converted to liquid-requires 2-4 hrs. at temperatures around 450°F.
May apply when surface & ambient temperature is 40°F and rising.	Application Temperature	Can be applied in cooler temperatures.
Up to 80 linear ft. of 1/2" X 1/2" cracks	Coverage (Linear Feet)	Up to 80 linear ft. of 1/2" X 1/2" cracks
30-45 minutes. High humidity has dramatic effect on drying.	Drying Time to NO Pickup	Under 5 minutes. High humidity has dramatic effect on drying & bonding.
Can be used on damp surface as long as no standing water	Reaction to Damp / Wet Surface	Intolerant to any dampness-will return to solid state too quickly to bond to sides of crack
Additional labor cost-0-. Fuel cost \$5.00 per day to run air compressor.	Cost: In Addition to Product & Equipment	Labor cost for heat-up. Clean-up as much as \$50 per day. Propane cost for heating-up to \$100 per day.
Feasible regardless of job size.	Job Size Feasibility	Only feasible on big jobs in excess of 10,000 L.F.
Approximately 5 drums a day.	Application Rate	Approximately 2160# or 1 pallet a day of solid material.
Drum wt. 550# less 128.2# water wt. = drum solids wt. of 421.8# 5.12 drums= 2160# solids	Conversion of 100% Solid Hot Pour to Liquid - 55 Gallons	2160# hot pour solids= wt. of 1 pallet of 36 boxes @60# ea Converts to 5.12 drums
Under \$10,000	Equipment Cost for Application	\$40,000 to \$120,000
10 Minute water clean up	Clean Up	Can require hours for cool down-clean with solvents.
Safest equipment and product that can be made. Absolutely NO risks to user or environment.	Safety	Extremely dangerous to use due to volatility of propane as well as risk of being severely burned by molten product. Contains carcinogenic vapors.
Meets all E.P .A. Emission standards	V.O.C.s	Does not meet emission standards.