



420 N. Roosevelt Ave. • Chandler AZ 85226  
 1-800-528-8242 • (602) 276-0406 • FAX (480) 961-0513  
 www.crafco.com

**PRODUCT DATA SHEET**

**PolyPatch-Type 1, 2, 3, and 4  
 PolyPatch Fine Mix-Type 1, 2 and 3**

**PART NO. 34281(Type 1), 34282(Type 2), 34283(Type 3), 34287 (Type 4)  
 Fine Mix 34284(Type 1), 34285(Type 2), 34286(Type 3)**

**APRIL 2004**

**READ BEFORE USING THIS PRODUCT**

**GENERAL** PolyPatch products are hot-applied, pourable, self-adhesive materials used for maintenance and repair of both asphalt and concrete pavements. PolyPatch products are produced in two grades: PolyPatch and PolyPatch Fine Mix. PolyPatch Fine Mix contains smaller aggregate than PolyPatch resulting in a more uniform texture and improved feathered edges. PolyPatch products are composed of highly modified polymer asphalt binder and specially selected (light weight) aggregate. These products are specifically formulated to repair distresses which are larger than those typically repaired by crack or joint sealing, but smaller than those requiring remove and replace patching procedures. The unique design features of PolyPatch products produce materials which are both flexible and resistant to vehicle loadings when properly applied. PolyPatch and PolyPatch Fine Mix are supplied in four types for use in different climates and applications.

PolyPatch is supplied in solid form in self-release, strippable containers. To use, product is stripped from the container and then melted and heated to application temperature in a Crafco PolyPatch Applicator which is specially designed to effectively apply PolyPatch. Heated PolyPatch is then poured from the applicator onto prepared pavement sections, leveled with the pavement surface and allowed to cool and solidify prior to opening to traffic.

**USAGE GUIDELINES**

PolyPatch forms a well bonded, flexible, load-resistant, lasting repair for several types of pavement distresses. Usage recommendations for climate and application are shown in the table below:

	Thermal crack repair (cracks 1-2" (26mm-5cm)) wide	Leveling and skin patch repair (>1/2" (13mm)) deep	Leveling and skin patch repair (<1/2" (13mm)) deep	Surface void repair (max. 4" (10 cm) deep X 12" (30 cm) diameter)	Wheel rut repair
Hot climate High temp range: PG* 70, 64 Low temp range: PG* -10	1-2" Type 3 (Fine Mix) >2" Type 3	Type 3	Type 3 (Fine Mix)	Type 3	NA
Moderate climate: High temp range:PG* 58,64 Low temp range:PG*-16, -22	1-2" Type 2 (Fine Mix) >2" Type 2	Type 2	Type 2 (Fine Mix)	Type 2	Type 4
Cold climate: High temp range: PG* 52,58 Low temp range:PG* -28, 34	1-2" Type 1 (Fine Mix) >2" Type 1	Type 2	Type 2 (Fine Mix)	Type 2	Type 4

\*Temperature grades based on 98% confidence LTPPBIND

**PROPERTIES** Properties of PolyPatch Types 1, 2, 3, and 4 when heated in accordance with ASTM D5167 are as follows:

<u>Parameter</u>	<u>Type 1</u>	<u>Type 2</u>	<u>Type 3</u>	<u>Type 4</u>
Color	Black	Black	Black	Black
Pourability @ 400°F (204°C) (PTM1)*	1000-1400 gm	1000-1400 gm	1000-1400 gm	1000-1400 gm
Stability @ 158°F (70°C) (PTM2)	.6 in (1.5cm) max.	.5 in (1.25cm) max.	.4 in (1.0cm) max.	.3 in (.75cm) max
Flexibility @ low temperature (PTM3)	Pass @ -20°F (-29°C)	Pass @ 0°F (-18°C)	Pass @ 20°F (-7°C)	
Impact 5 ft. lb (ASTM D2794) modified	-----	-----	-----	Pass @ 0°F (-18°C)
Adhesion @ 77°F (25°C) (PTM4)	15psi(103kpa) min.	20psi(138kpa) min.	25psi(172kpa) min.	20psi(138kpa) min
Specific Gravity (ASTM D792)	1.35 max.	1.35 max.	1.35 max.	1.35 max
Skid Resistance, BPN (ASTM E303)	40 min.	40 min.	40 min.	40 min
Skid Resistance (Fine Mix)	30 min.	30 min.	30 min.	-----
Minimum Application Temperature	375°F (190°C)	375°F (190°C)	375°F (190°C)	375°F (190°C)
Maximum Application Temperature	410°F (210°C)	410°F (210°C)	410°F (210°C)	410°F (210°C)

\*Note: Due to the unique characteristics of PolyPatch, modified test procedures are required to indicate properties. Test methods PTM 1, 2, 3, and 4 are available from Crafco, Inc.

**APPLICATION** The unit weight of Crafco PolyPatch is 10.2 lbs. per gallon (1.22kg/L) at 60°F (15.5°C). Prior to use, the user must read and follow Application Instructions for PolyPatch Products (January 2004) to verify proper product selection, heating methods, pavement preparation procedures, usage precautions and safety procedures. These instructions are provided with each pallet of product.

**PACKAGING** PolyPatch is packaged in 3-gallon (11.36 L) self-release, strippable kegs which are palletized into shipping units. Each pallet contains 64 kegs which are stacked in four layers of 16 kegs per layer. Each pallet contains 192 gallons (729.6 L) PolyPatch is sold by the gallon in pallet quantities. Kegs of PolyPatch are labeled with the product name, part number, lot number, application temperatures, and safety instructions. Palletized units are protected from the weather using a three mil (0.07 mm) thick U.V. protected plastic bag, a weather and moisture resistant cap sheet, and the pallet is wrapped with two layers of U.V. protected stretch wrap. Pallets are labeled with the product part number, lot number, and net weight. Application instructions are provided with each pallet in a weather-resistant enclosure.

**WARRANTY** CRAFCO, Inc. warrants that CRAFCO sealants meet applicable ASTM, AASHTO, Federal or State specifications at time of shipment. Techniques used for the preparation of the cracks and joints prior to sealing are beyond our control as are the use and application of the sealants; therefore, Crafco shall not be responsible for improperly applied or misused sealants. Remedies against Crafco, Inc., as agreed to by Crafco, are limited to replacing nonconforming product or refund (full or partial) of purchase price from Crafco, Inc. All claims for breach of this warranty must be made within three (3) months of the date of use or twelve (12) months from the date of delivery by Crafco, Inc. whichever is earlier. There shall be no other warranties expressed or implied. **For optimum performance, follow Crafco recommendations for sealant installation.**