



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 & POLYPATCH FINE MIX

P/Ns: PolyPatch, 34282 & PolyPatch Fine Mix, 34285

JULY 2014

READ BEFORE USING THIS PRODUCT

GENERAL Crafco PolyPatch products are hot-applied, pourable, self-adhesive patching materials used for preservation, maintenance and repair of asphalt and portland cement concrete pavements and bridge deck surfaces. PolyPatch products are composed of highly modified polymer asphalt binder and durable lightweight construction aggregate. These products are formulated for distresses 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 adhesive, flexible, and resistant to vehicle loadings. PolyPatch products are produced in 2 grades: PolyPatch and PolyPatch Fine Mix. PolyPatch has larger aggregate for use in deeper installations. PolyPatch Fine Mix uses smaller aggregate for thinner repairs and feathered edges. PolyPatch products are supplied in solid form in boxes containing pre-measured binder and aggregate. To use, the binder and aggregate from the box are added to an appropriate melter (Crafco Patcher I, Crafco Patcher II or other approved melter) and then heated while mixing to application temperature. Heated product is then poured from the melter onto the prepared pavement section, leveled with the surface and allowed to cool and solidify prior to opening to traffic. PolyPatch and PolyPatch Fine Mix have been quality Crafco products for over 15 years. VOC = 0 g/l.

USAGE PolyPatch products form well bonded, flexible, load-resistant, long lasting repairs for many types of distresses in asphalt concrete and Portland cement concrete pavements and bridge decks. Typical uses include filling wide cracks and joints, filling potholes, leveling depressed thermal cracks, repairing deteriorated longitudinal joints, skin patching, pretreatment of fatigue cracked areas prior to surface treatments, leveling manhole covers and bridge deck approaches, and filling spalls, popouts, and corner breaks. PolyPatch is generally used for installations over 2 in (5cm) deep. PolyPatch Fine Mix is generally used for installations less than 2 in (5 cm) deep and where a feathered edge finish is desired. Installations over 4 in (10 cm) deep can be bulked using Crafco Structural Aggregate (Part No.34033).

PROPERTIES Properties of PolyPatch and PolyPatch Fine Mix when mixed and heated in accordance with ASTM D5167 are as follows:

<u>Property</u>	<u>Specification</u>
Color	Black
Pourability @ 400°F (204°C) (PTM1)*	1000-1400 gm
Stability @ 158°F (70°C) (PTM2)	0.5 in (1.25cm) max.
Flexibility @ 0°F (-18°C) (PTM3)	Pass
Impact @ 0°F (-18°C) 5 ft. lb (ASTM D2794) modified	Pass
Adhesion @ 77°F (25°C) (PTM4)	20psi (138kpa) min.
Specific Gravity (ASTM D792)	1.35 max.
Skid Resistance, BPN (ASTM E303)	
PolyPatch	40 min
PolyPatch Fine Mix	30 min.
Minimum Application Temperature	375°F (190°C)
Maximum Application Temperature	400°F (204°C)

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

INSTALLATION The unit weight of PolyPatch and PolyPatch Fine Mix is 10.2 lbs. per gallon (1.22kg/L) at 60°F (15.5°C). Prior to use, the user must read and follow Installation Instructions for PolyPatch Products to verify proper product selection, heating methods, pavement preparation procedures, usage precautions and safety procedures. These instructions are available at www.crafco.com and are provided with each pallet of product.

PACKAGING PolyPatch polymer modified binder and aggregate are pre-measured and packaged in meltable plastic bags in a cardboard box. Each box contains 30 ± 1 lb (13.6 ± 0.5kg) of PolyPatch. Aggregate and binder are not premixed. Boxes are palletized and product is sold by net weight. Boxes are tape closed and do not contain any staples. Boxes are labeled with the product name, part number, lot number and application temperatures. Palletized units can be stored outside and are protected from the weather using a three mil thick plastic bag, a weather and moisture resistant cap sheet and a minimum of two layers of six month u.v. protected stretch wrap. Pallets are labeled with the product part number, lot number and net weight. Installation Instructions are provided with each pallet in a weather resistant enclosure.

WARRANTY Crafco, Inc. warrants that Crafco products meet applicable ASTM, AASHTO, Federal or State specifications at time of shipment. Techniques used for the preparation of pavement surfaces prior to installation are beyond our control as are the use and application of the products; therefore, Crafco shall not be responsible for improperly applied or misused products. 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 product installation.**