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PRODUCT DATA SHEET

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

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

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READ BEFORE USING THIS PRODUCT

GENERAL Crafco PolyPatch products are hot-applied, pourable, self-adhesive materials used for maintenance and repair of asphalt or 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 durable, light weight construction 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 each supplied in three stiffness types for use in different climates and applications.

PolyPatch products are supplied in solid form in a box containing pre-measured polymer modified binder aggregate. To use, both the binder and aggregate from each box are added to an appropriate melter (Crafco Patcher I, Crafco Patcher II or other approved melter). Product is then heated while mixing to application temperature. 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. VOC = 0 g/l. US Patent No. 6,362,257 B1

USAGE GUIDELINES PolyPatch products form well bonded, flexible, load-resistant, lasting repairs for several types of pavement distresses. Usage recommendations for climate and application are shown 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) |
|---|--|--|--|---|
| Hot climate High temp range: PG* 70, 64 Low temp range: PG* -10 | 1-2" Type 2 (Fine Mix) >2" Type 2 | Type 3 | Type 3 (Fine Mix) | Type 3 |
| 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 |
| 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 |

*Temperature grades based on 98% confidence LTPPBIND Version 2.1.

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

| <u>Parameter</u> | <u>Type 1</u> | <u>Type 2</u> | <u>Type 3</u> |
|---------------------------------------|----------------------|---------------------|--------------------|
| Color | Black | Black | Black |
| Pourability @ 400°F (204°C) (PTM1)* | 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. |
| 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 | ----- | ----- | ----- |
| Adhesion @ 77°F (25°C) (PTM4) | 15psi(103kpa) min. | 20psi(138kpa) min. | 25psi(172kpa) min. |
| Specific Gravity (ASTM D792) | 1.35 max. | 1.35 max. | 1.35 max. |
| Skid Resistance, BPN (ASTM E303) | 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) |
| Maximum Application Temperature | 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.

INSTALLATION 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 Installation Instructions for PolyPatch Products 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) boxes which are palletized into shipping units. Each pallet contains 72 boxes which are stacked in six layers of 12 boxes per layer. Each pallet contains 216 gallons (820.8 L). PolyPatch is sold by the gallon in pallet quantities. Boxes 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. Installation 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.**