



Success Story

Patcher II & Mastic One[®]

Project Specs

Location:

Marana, Arizona

Size:

8" x 18" Transverse Cut
Across Multiple Traffic Lanes

Products:

Patcher II and Mastic One

**Images for illustration
purposes only.
May not represent project.*

Keith Francis has worked for the Town of Marana in southern Arizona for more than 25 years. Serving as the Streets Supervisor for Asphalt and Equipment Crews in this city of about 55,000 people just north of Tucson, Francis loves his job because of the craftsmanship that goes into his work. That's why Marana uses CrafcO's Patcher II mastic melter and Mastic One - the ideal system for fast, durable pavement patches on wide cracks and distresses. "That's a product you can drive by in five years and see that it's still holding because you did it right," Francis says.



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Mastic One®

ABOUT MASTIC ONE

Mastic One is a hot-applied pavement repair material made from polymer-modified asphalt binder and select aggregate. It provides a fast, durable repair with a wide variety of applications while meeting relevant ASTM specifications.

APPLICATIONS

- Repairing Longitudinal Joint Failures
- Leveling Depressed Thermal Cracks
- Filling Wide Cracks and Joints Pretreatment Prior to Surface Treatment
- Filling Potholes
- Sealing Utility Cuts
- Skin Patch Repairs
- Leveling Manhole Covers
- Leveling Bridge Deck Approaches
- Filling Spalls, Popouts, & Corner Breaks

Francis and his crew have used a Crafcro Patcher II mastic melter and Mastic One to help maintain Marana's roads for the last four years. The Patcher II is a 200-gallon melter that heats pavement repair materials like Crafcro Mastic One, which can't be pumped through a crack sealing machine because they contain aggregate.

Before adopting the Crafcro system, Francis and his crew would mill and fill problem areas in the road – a time-consuming job that requires a large crew and extended road closures. With the Patcher II and Mastic One, the job takes less time and a smaller crew. Francis says the newer method allows his crew to quickly make large repairs before they chip seal. "It's made it easier because we used to mill and fill, and it would have taken longer," Francis says. "We just put mastic in there and it goes a lot quicker."

Mastic One is designed to repair wide cracks and distresses that are too large for crack sealing but too small for repaving. It's load-bearing but flexible, so it won't shatter under stress or crack the surrounding pavement. Mastic One can also be used around manholes, to level bridge deck approaches, and for many other uses in asphalt and concrete pavements.

Driven by a 19-horsepower diesel Isuzu engine, the Patcher II features a 369,000 BTU burner and a daily melting capacity of up to 12,000 lbs. Its powerful agitation system thoroughly mixes material and keeps aggregate suspended. With automatic controls and a variety of other standard features, the Patcher II helps crews get more done efficiently and safely.



Crafcro's Patcher Lineup



PATCHER II

200 gallon tank, Melt rate of 1,500 lbs./hr



PATCHER 4

395 gallon tank, Melt rate of 3,000 lbs./hr



EZ PATCHER

Fast, safe patching for long linear distresses

Crafcro also offers the 395-gallon Patcher 4 mastic melter, and the new EZ Patcher skid steer attachment for faster, safer mastic patching on long linear cracks and distresses.

Francis says his crew had no trouble learning to use the Patcher II, which can be outfitted with options like work lights, a heated chute and several sizes of drag boxes to further boost productivity. "It's self-explanatory when you start," he says.

On one recent project, Francis and his crew put the Crafcro system to the test by using a large volume of Mastic One to fill an 8-inch deep transverse cut across multiple lanes that was meant to smoothly transition traffic from asphalt to concrete.

The Patcher line of mastic melters maintains a consistent, steady temperature thanks to calibrated thermostat controls and a factory-tuned agitation system, while the melting rate is optimized with an oil-jacketed double boiler for fast heat transfer. Maintaining the correct material temperature is a crucial element of meeting ASTM specifications and protecting the material's performance characteristics.

"We did it 18 inches wide, and it still holds," Francis says of the mastic transition. "It goes back to 'We did something right' because it's still working."

To learn more about Mastic One and the Patcher line of mastic melters, visit Crafcro.com or email sales@crafcro.com.