

FIELD REPORT—FastPatch DPR

Spall Repair CA-86

Overview:

Scope of Work:	Spall Repair
Date of Installation:	2/19/2014
Location:	CA-86 South Bound PM 36.1, Brawley, CA
Product:	FastPatch DPR Kit
Installer:	Caltrans Road Maintenance Crew (District 11)
Reviewed by:	Rob Loomis, Jason Keylon

Spalls on Route 86 were in need of repair with a material that would extend the pavement life and improve safety. FastPatch DPR (Distressed Pavement Repair) was used because it has excellent adhesion and is easy to install with minimal preparation to the concrete. The spalled area was prepared by removing loose concrete and blowing the area clean. Follow up reviews were done one month later and another 14 months after installation. During that time a contract was awarded which included grinding and shows how FastPatch DPR repair is still bonded very well to the concrete.



Figure 1: FastPatch DPR after grinding.

Preparation & Installation:

1. Used Hilti TE-1000 electric chipping hammer and digging bar to remove loose concrete. Cleaned surfaces with compressed air 120CFM to remove dust and loose material.
2. Opened PART A pouch and poured into center of aggregate. Mixed using an 'Eggbeater' style in the center of the mixing container for 1 to 2 minutes while scraping bottom and sides of container.
3. Open PART B pouch and poured in the mixing container and mixed about 1 to 2 minutes while scraping bottom and sides of container with mixer.
4. Immediately poured and spread over area leveled to the surrounding elevation.
5. Applied topping sand to refusal after 5 minutes and opened to traffic after 45 minutes.



Installation:

FastPatch DPR Kit



Mixing DPR



Pour & Level



Ready for Topping Sand



Sanded



Reviewed:

1 Month Old



14 Month Old



Notice Grind Marks—Just like Concrete