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ANNIVERSARY,  
FLEXKRETE!

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FLEXKRETE  
IS  
8 YEARS  
AND  
SOARING!

"You won't believe it until you see it!"

## FLEXNEWS

[www.flexKrete.com](http://www.flexKrete.com)

JUNE, 2008

### THE POWER OF FLEXKRETE, IT'S ADHESION, DURABILITY & SIMPLICITY!

McCarthy Construction recently called to ask us to look at a new bridge they had just built on I-30 in Dallas, TX. The deck finish was left with voids averaging the size of a penny or smaller, most less than a 1/4" deep, and encompassing much of the entire deck surface. The question was: Can these tiny voids be filled with FlexKrete, and will they remain in place when grooves are saw-cut across the deck? These grooves will be 1/8" wide, 3/4" apart, and 1/4" deep, so we are asking the material to, not only withstand the blade impact, but to remain in place after being cut into fragments. Also, would these shallow micro patches withstand the constant beating of thousands of cars and trucks each day, and the vibration and movement of the bridge itself? After 30+ years in this business, we know of no other material, either past or present, that we would have given any chance of success in this situation! Not, however, until FlexKrete.



The voids spanned across most of the entire deck in a transverse pattern. **The repair procedure** was simple and quick. FlexPrime was "dobbed" with a brush into each hole, removing excess material with the "dry-brush" effect.



Next, after mixing the catalyst with FlexKrete, two parts fine blasting sand was mixed in for about one minute, poured onto the surface, and with a small hand squeegee, the material was forced into the voids. A very thin coat of FlexKrete is all that was left on the surface, and even this thin material stayed intact when the deck was grooved.



All the repaired areas were barely noticeable after the grooves were cut, and after a small amount of traffic, they will be virtually invisible.

The pictures below show the finished repair up close. The lighter colored spots are where the actual voids existed and were filled. In the top photo you can tell where the thin material was spread over the deck as it was "squeegeed". All the filled voids show straight saw-cut lines, with no break-out in any area.

Although the entire repair required only about four gallons of FlexKrete, the result is not insignificant. Indeed, it is further indication as to the phenomenal adhesion and strength of the product, and will, for many years to come, show its tough durability and longevity, which has been proven over and over again for the past eight years of its existence.

Had this job been repaired by the conventional method, it would obviously have been labor intensive and exorbitant in cost. With FlexKrete, it was only about 4 gallons of material and about three hours for completion.



## **FLEXKRETE ADHERES TO: CONCRETE, ASPHALT & STEEL**

In the past, header joints have been close to impossible to repair for the long-term. Not only does the material need to withstand extreme abuse from traffic, bridge movement and vibration, but is necessary that the product has tenacious adhesion to different types of materials, ie., concrete, steel and asphalt. FlexKrete accomplishes all this! We have been repairing joints with heavy fork lift traffic, street joints AND, header joints on bridges. We have been doing this with great success, almost since the inception of FlexKrete.

With a 2" asphalt overlay, the pictures below show one joint without header joint material, (crumbled), and the other one with failed product. FlexKrete can quickly and inexpensively solve this problem for the long-term.



The proper way to install new header joint material is to cut the overlay back to the desired distance, 6"-8" on each side of the joint, then blast clean the area. Tape can be placed along the edge of the asphalt to maintain a straight line. A spacer board should be used to fill the joint while the FlexKrete is troweled into place.



Measure out the amount of FlexKrete need for the job. (1) Mix catalyst into FlexKrete for 30 seconds, (2) add blast sand and mix for about 60 seconds, or until well blended, (3) empty onto surface and trowel into place. Allow about 30 minutes for curing, pull the tape and remove the spacer board, then, fill the joint. **Open to traffic in an hour or less!** FlexKrete saves time!



On the Golden Gate Bridge, FlexKrete has been in place for over two years, in depths of ½"- 6" deep, to rebuild 12'x50' toll booth lanes. This extreme harsh environment of constant wind, moisture, salt, fog and movement have not affected its performance. Indeed, here is what the maintenance manager of the GGB has to say about it.



*"At Boeing Aircraft, 747's have been rolling over FlexKrete for more than four years, with no cracks or breaks."*  
Roger Hemp—Cascade Const.

*"FlexKrete is the only product allowed on the 2nd busiest stretch of I-35 in the nation, for main line repair."*  
Bruce Sampson—VMS, Inc.

## **NO FORMS NEEDED**

